UL Cybersecurity Assurance Program (CAP)

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UL Cybersecurity Assurance Program (CAP)

- Standards-based program
- Evaluate cybersecurity posture of software in network-connectable products
- Provide a reasonable level of confidence in the absence of vulnerabilities and software weaknesses and the presence of appropriate risk controls

Client Needs Vary

Test and Certify Products and Systems

WHAT WE DO FOR OUR CLIENTS

01 ADVISE

- Filter noise
- GAP assessments
- Help quantify ROI and understand risks to safety

EDUCATE

02 EVALUATE

- Product security assessments
- Preparation for certification
- Product and systems qualification

SUPPORT

03 CERTIFY

- Differentiate early adopters
- Validate ROI
- Brand reputation

PARTNER

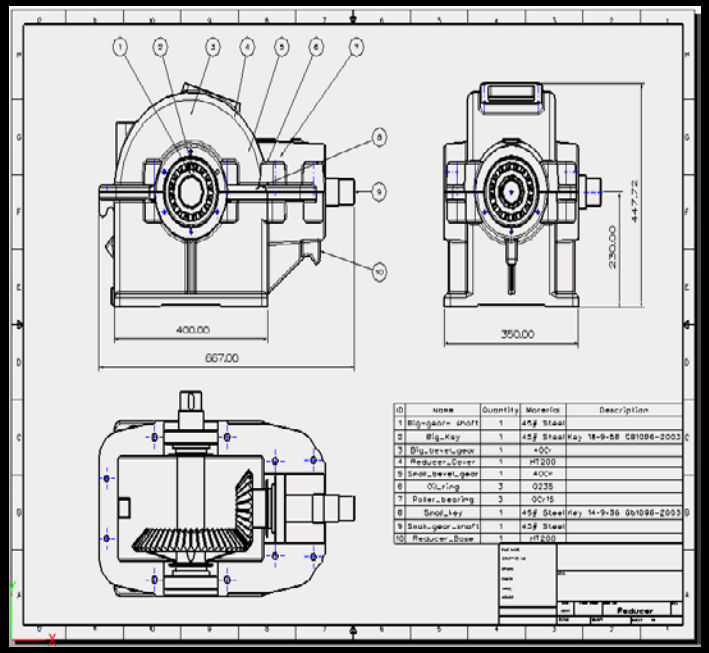
Manufacturer's Cybersecurity Maturity

The Solution

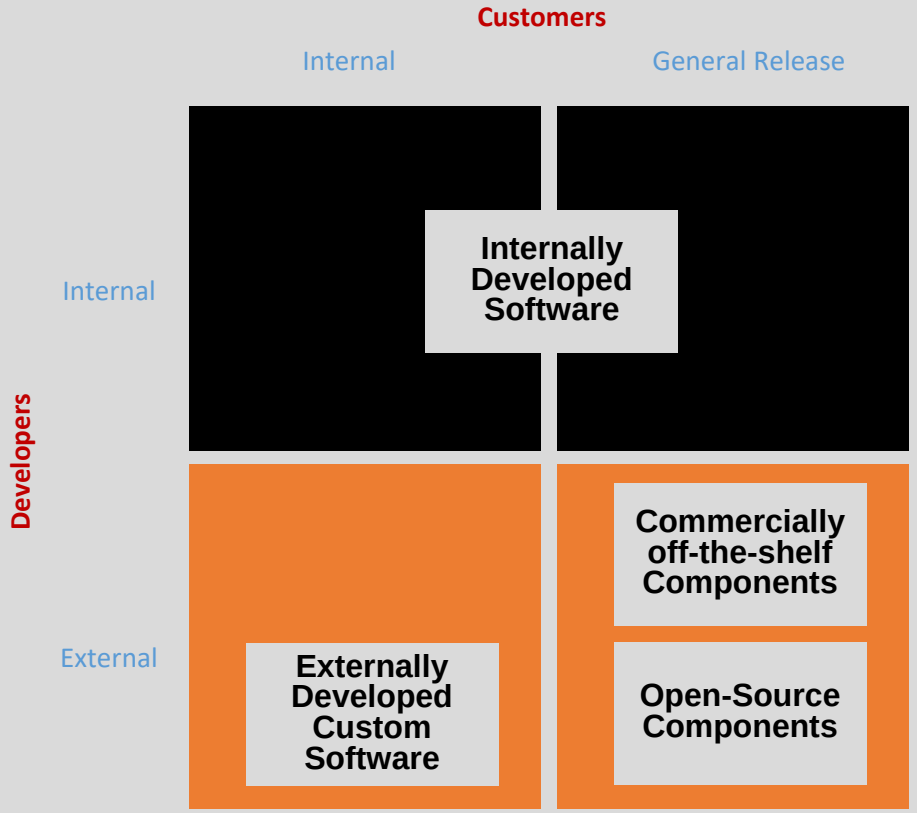
- Foundation in industry best practices
- Focus on common themes applicable across multiple industries
- Risk-based / Not prescriptive
- Industry achievable
- Cross-industry applicability

Products & Systems Have 2 Bill of Materials

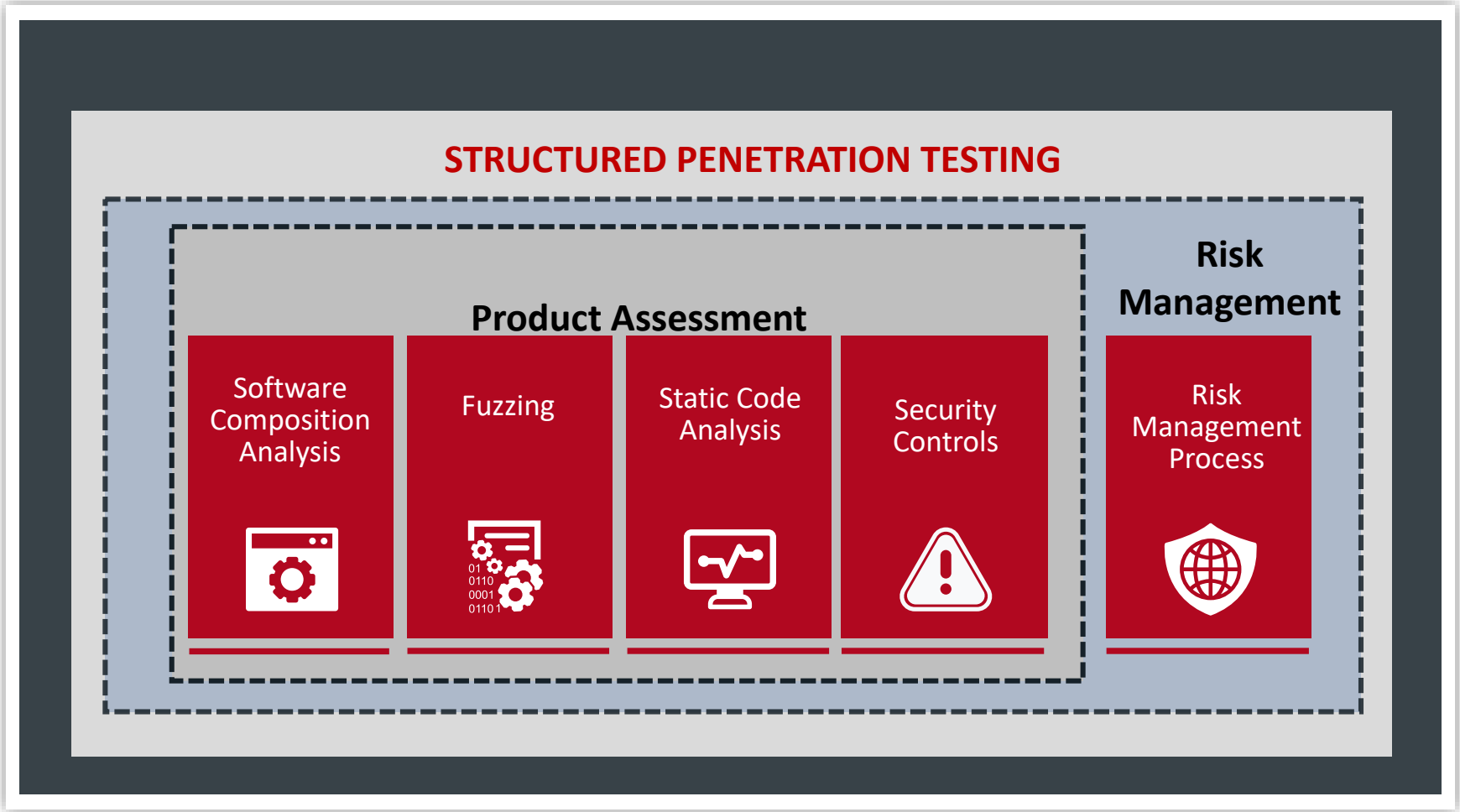
Hardware
BILL OF MATERIALS (BOM)



Software
BILL OF MATERIALS (SBOM)

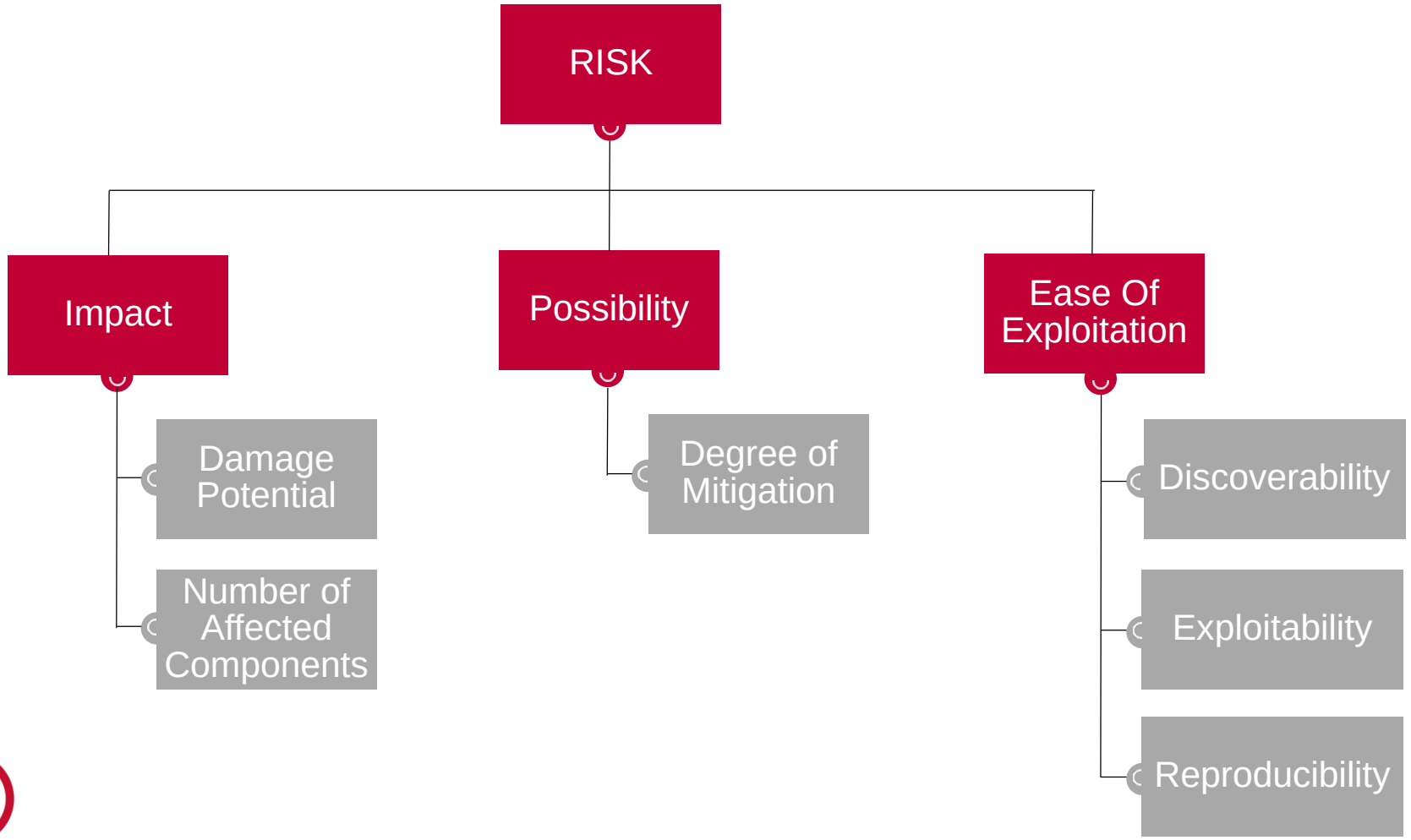


UL CAP Product Assessment Criteria



Understanding Security Risks Using Risk Management

- Train a structured approach that enables you to identify, quantify, and address the security risks associated with an device, product or system.



Key Takeaways

NETWORK-CONNECTABLE PRODUCTS & SYSTEMS

AUTOMOTIVE | LIGHTING | APPLIANCES | SMART HOME | HVAC | BUILDING AUTOMATION | ALARM SYSTEMS | SMART METERS | MEDICAL DEVICES | FIRE SYSTEMS | INDUSTRIAL CONTROL SYSTEMS | IoT

YOUR NETWORK CONNECTABLE PRODUCT AND/OR SYSTEM

Submit product or system for discrete testing (One or more individual tests)

Submit product or system for certification testing (All tests)

UL CAP Services

RISK MANAGEMENT

- Known Vulnerabilities
- Fuzz Testing
- Code & Binary Analysis
- Access Control & Authentication
- Cryptography
- Remote Communication
- Software Updates
- Structured Penetration Testing

TRAINING SERVICES

ADVISORY SERVICES

REVIEW SERVICES

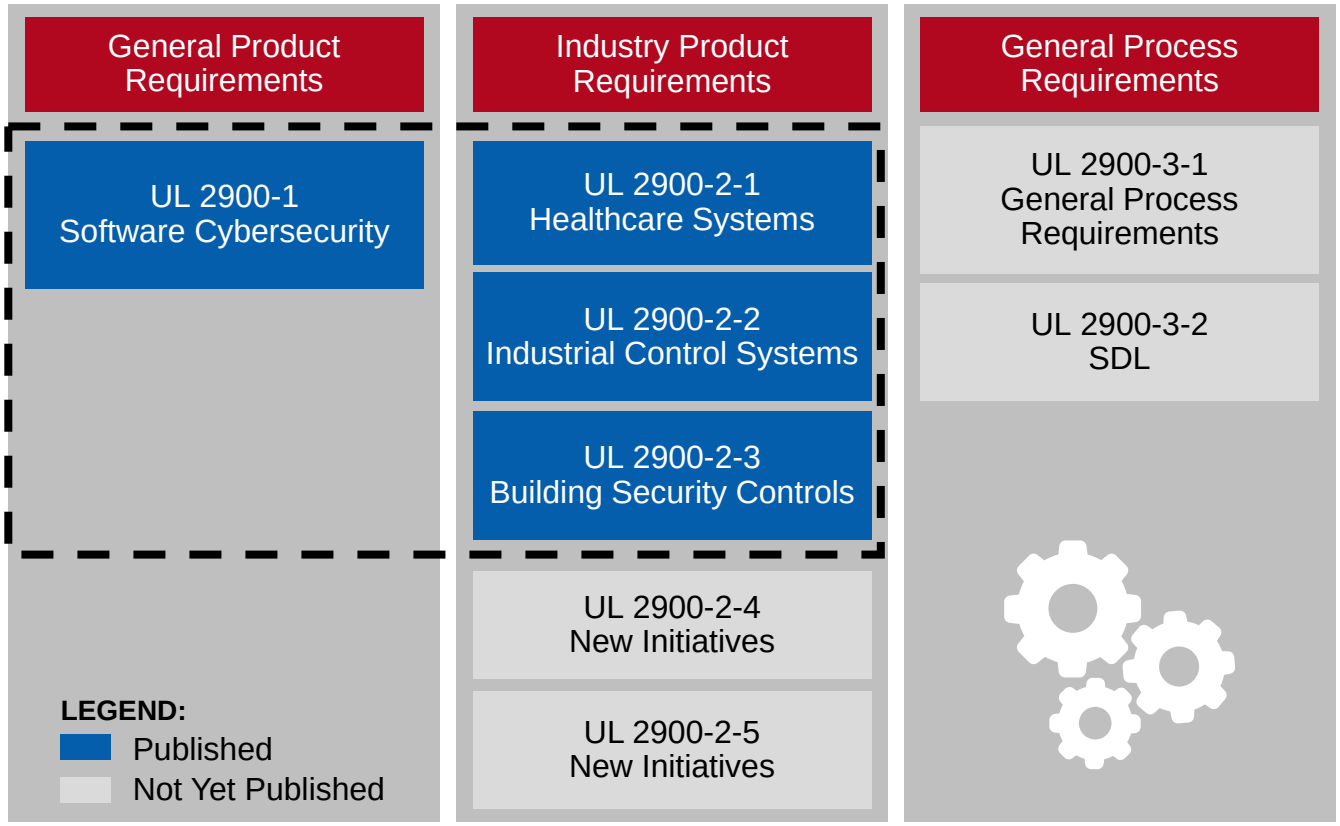
YOUR REPORT AND/OR CERTIFICATION

Test Report

Certificate

KEY TAKEAWAYS: ✔ RISK MITIGATION ✔ INNOVATION ✔ COMPETITIVE ADVANTAGE

UL 2900 Standards



Q&A

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