

Organizations of all sizes need to quickly gauge the maturity of their information security program as it relates to clinical systems. Cylance's MSAF (pronounced em-safe) focuses on allowing an organization to quantify the security risk non-traditional connected assets, such as medical devices, pose to their patients and computing environments.

## How MSAF helps your organization

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MSAF gauges the current maturity of the organization's clinical information security program and its impacts on security and risk. The framework helps identify what processes, procedures, documents and technical controls should be put in place to help advance the organization further down the maturity roadmap.

## How you use MSAF

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### 1. The Assessment Phase

MSAF is built using a combination of controls from ISO 27002, COBIT, NIST and industry best practices. We have distilled those controls and practices down to an easily utilized self-assessment questionnaire. This self-assessment questionnaire is used internally to assist the organization benchmark progress throughout the roadmap. Cylance uses an expanded version of the self-assessment questionnaire to help more accurately align your organization to the maturity roadmap.

### 2. The Alignment Phase

Cylance uses the self-assessment questionnaire and the data points gathered from the assessment phase to begin aligning your clinical information security program goals to the MSAF roadmap. This roadmap provides gates to measure program maturity as well as complementary functions your program should be able to provide internally as your organization matures. Examples of these include vendor disclosure programs, medical device testing, clinical vulnerability management, incident response, forensic functions and more.

### 3. The Audit Phase

The final phase of MSAF is to audit and benchmark progress along the roadmap for your organization. The audits provided by Cylance periodically throughout the year can help ensure your organization is meeting its clinical security goals as it moves toward maturity. Steady and managed growth of a clinical security program is essential.



## MSAF and Medical Device Testing

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One of the most critical parts of a mature clinical security program is a medical device testing program. These programs are used by organizations of all sizes to determine security and patient risk posed by the multiple forms of clinical systems within their environment. Cylance offers a full range of services meant to complement MSAF such as medical device reverse engineering, exploit development, testing education, vendor coordination and vulnerability management.

## Cylance Consulting

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The mission of Cylance Consulting is to empower corporate IT to better protect their organization by helping reduce the attack surface. Vulnerability and penetration testing establish a baseline security posture. A compromise assessment determines the who, what, when and how of a successful attack and provides best practices for remediation. Our incident response and customized services fix problems much faster and in a less intrusive manner than alternative approaches.

## About Cylance:

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Cylance is the first company to apply artificial intelligence, algorithmic science and machine learning to cybersecurity and improve the way companies, governments and end-users proactively solve the world's most difficult security problems. Using a breakthrough predictive analysis process, Cylance quickly and accurately identifies what is safe and what is a threat, not just what is in a blacklist or whitelist. By coupling sophisticated machine learning and artificial intelligence with a unique understanding of a hacker's mentality, Cylance provides the technology and services to be truly predictive and preventive against advanced threats. For more information, visit [cylance.com](http://cylance.com).

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