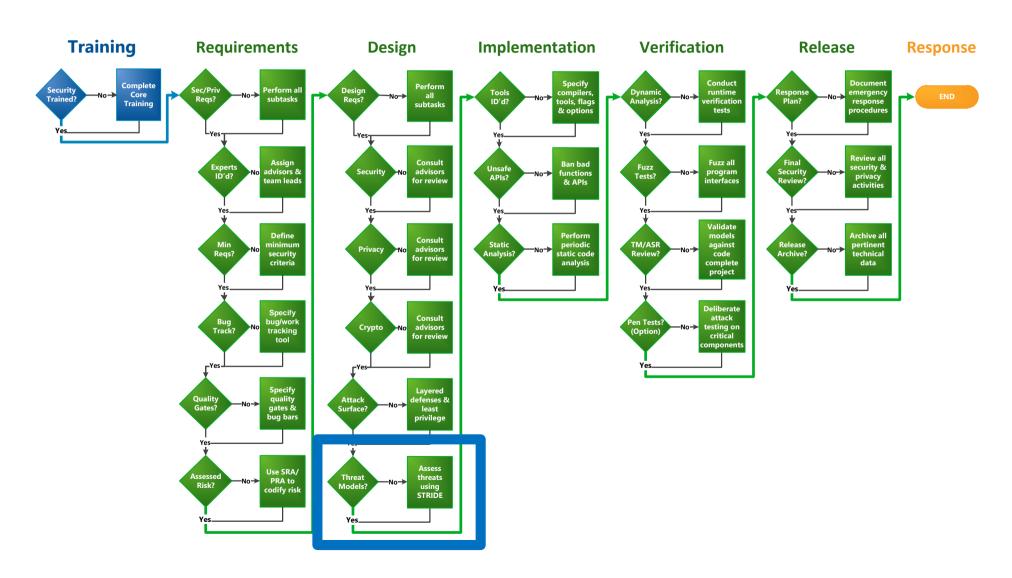




# SDL exploded





Training



### Training - Basic

- Security
- Privacy
- Threat Modelling
- Secure Design, Development and Testing





#### Training - Advanced

- Secure Design
  - Attack Surface Reduction
  - Threat Modelling
- Secure Development
  - Secure Coding & Defensive Coding
  - Web Applications
  - Secure Database Access
- Secure Testing
  - Fuzzing & Penetration Testing
  - Code Review & Threat Model Verification





Requirements



#### Requirements

- Establish Security Requirements
- Create Bug Bars / Quality Gates
  - Definition of Done
- Perform Security and Privacy Risk Assessments





Design



### Design

- Establish Design Requirements
- Perform Attack Surface Analysis & Reduction
- Create Threat Models





Implementation



# Implementation

- Use Approved Tools
- Perform Static Analysis
- Follow Secure Coding Guidelines





Verification



#### Verification

- Perform Dynamic Analysis
- Perform Fuzz Testing
- Perform Penetration Testing
- Conduct Code Reviews
- Conduct Threat Model Verification
- Conduct Attack Surface Review





Release



#### Release

- Create Incident Response Plan
- Conduct Final Security Review
- Certify Release and Archive





Response



#### Response

• Execute Incident Response Plan





# Secure Development Lifecycle Summary

• Do it.

• No, really. Do it! ©



