

## GUIDE

Best practices checklist

The complexity and high-stakes nature of U.S. Department of Defense (DOD) networks and weapons systems demands robust and strategic handling of application security. The multitude of departments across the government each have their own way of performing evaluation and testing activities. A general mandate that reaches across all departments, however, is independent verification and validation (IV&V). IV&V entails an independent assessment of a system and encompasses three key testing criteria. The first is an analysis to ensure the system is performing its intended functions correctly, the second is an analysis to ensure it does not perform any unintended functions, and the third is a general analysis of its quality and reliability. The multifaceted nature of this testing necessitates

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