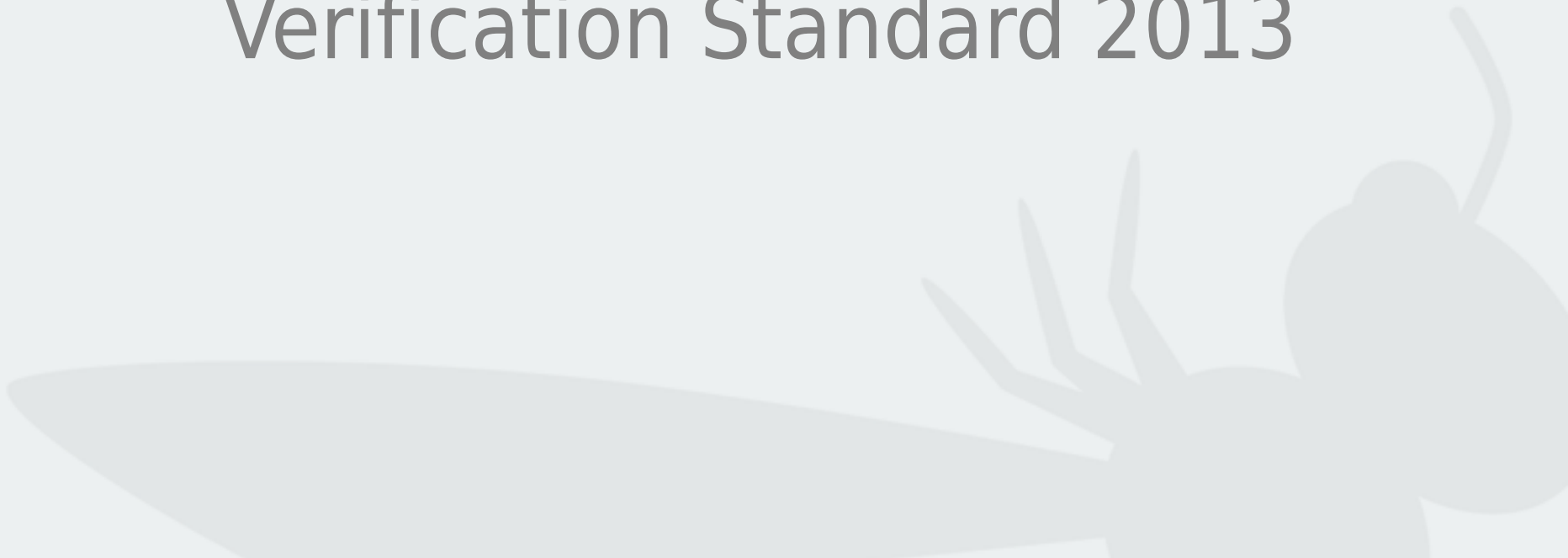




OWASP

The Open Web Application Security Project

OWASP Application Security Verification Standard 2013



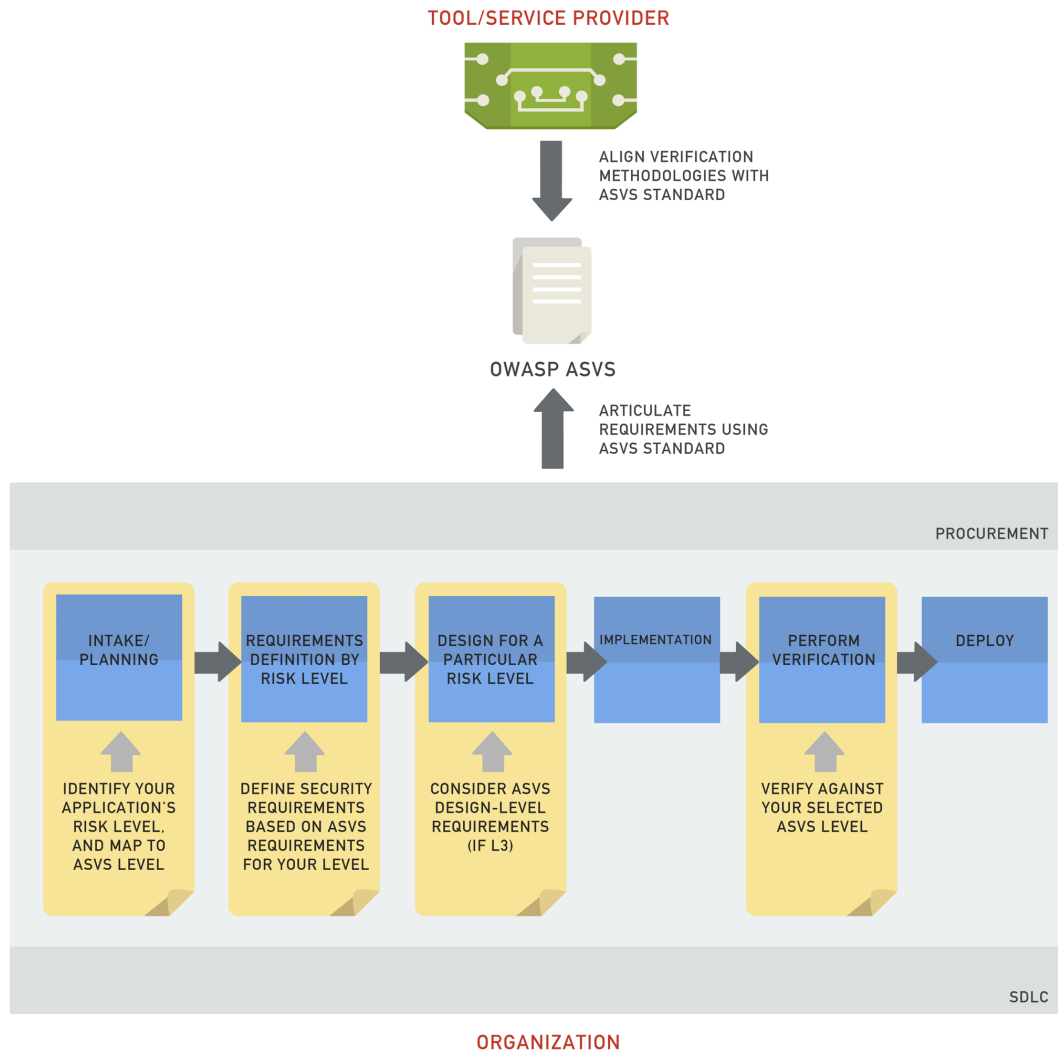
BACKGROUND



What is ASVS?

“The primary aim of the OWASP Application Security Verification Standard (ASVS) is to normalize the range in the coverage and level of rigor available in the market when it comes to performing web application security verification.”

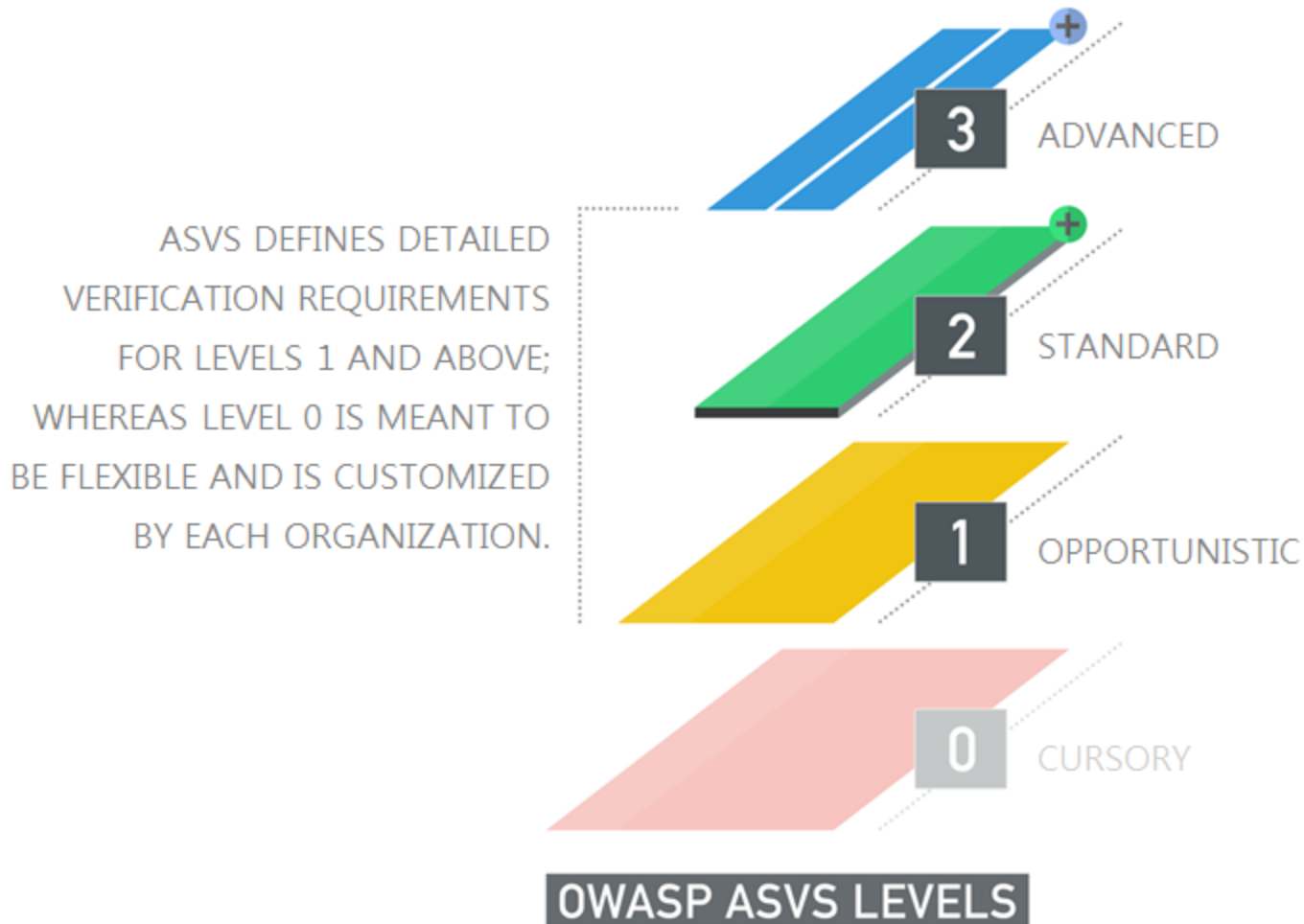
Why you should care



Introducing ASVS 2013 Beta



At a glance



Level 0: Cursory

Level 0 (or Cursory) is an optional certification, indicating that the application has passed some type of verification.



Level 1: Opportunistic

An application achieves Level 1 (or Opportunistic) certification if it adequately defends against application security vulnerabilities that are easy to discover.



Level 2: Standard

An application achieves Level 2 (or Standard) verification if it also adequately defends against prevalent application security vulnerabilities whose existence poses moderate-to-serious risk.



Level 3: Advanced

An application achieves Level 3 (or Advanced) certification if it also adequately defends against all advanced application security vulnerabilities, and also demonstrates principles of good security design.



Scope of verification

The scope of the verification is separate from the requirements for achieving a level.

e.g. A+ certified



Detailed verification requirements

	AUTHENTICATION VERIFICATION REQUIREMENT	LEVELS		
		1	2	3
V1.1	Verify all pages and resources require authentication except those specifically intended to be public (Principle of complete mediation).	✓	✓	✓
V1.2	Verify all password fields do not echo the user's password when it is entered, and that password fields (or the forms that contain them) have autocomplete disabled.	✓	✓	✓

Detailed verification requirements

- V1. Authentication
- V2. Session Management
- V3. Access Control
- V4. Input Validation
- V5. Cryptography (at Rest)
- V6. Error Handling and Logging
- V7. Data Protection
- V8. Communication Security
- V9. HTTP Security
- V10. Malicious Controls
- V11. Business Logic

What's Next



Get it first!



OWASP ASVS 2013 (Beta)

[http://
sourceforge.net/projects/owasp/files/ASVS/OWASP/](http://sourceforge.net/projects/owasp/files/ASVS/OWASP/)

Future direction

Map to other standards

Remove detailed requirements?

Makes ASVS more lightweight

Possibly two views: consumer and provider

Shoutout to...

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Authors and contributors of ASVS 2009

Thank you!

Any questions?

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