WFP Web Development Guidelines

On all WFP Web developments, vendors and in-house developers must provide:

- The full source code of the application with extensive in-line DocBlock documentation.
- Full SVN development history (a centralised WFP-owned SVN server should be used).
- Unit Tests covering all the functionality. Without tests, future development carries a higher risk of breaking existing behaviour and increases the overall cost of modifications due to a higher bug rate.
- User interfaces which follow usability guidelines (with special focus in ISO 9241: "Ergonomics of Human System Interaction" part 151: "Guidance on World Wide Web user interfaces" and part 17: "Form filling dialogues").
- HTML, CSS and Feeds which follow W3C Standards, passing validation of: W3C XHTML Validator[1], W3C CSS Validator[2], W3C Feed Validator[3].
- Graphic design which conforms to the "WFP Branding Guidance" published by CP.
- Front-end code which follows the "Best Practices for Speeding Up Your Web Site[4]", also taking into account the results of Yslow[5].
- Internal health checks for the application, compatible with standard monitoring tools.
- Data backup processes.
- Comprehensive documentation, including:
    - Low-level documentation (phpDocumentor generated documentation will suffice).
    - High-level documentation (explaining the software and hardware architecture).
    - Support documentation (to deploy, troubleshoot and debug the application & infrastructure).
    - If applicable: End-user documentation (API documentation and/or training manuals).
- If required, training of WFP staff to maintain and support the site or application in-house.
- 12-month bug warranty.

Developers must also ensure to:
- Use jQuery for JavaScript development. Additional plug-ins should only be used if they are essential. JavaScript should perform well in less powerful devices (netbooks, etc.).
- Carry out cross-browser testing, ensuring the site works well under IE7+, Chrome (all operating systems, including Android), Firefox (all operating systems), Safari (both iOS and OSX) .
- If developments are based on Drupal, the WFP.org Drupal Development Guidelines must be adhered to as well.

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[1] http://validator.w3.org/
[2] http://jigsaw.w3.org/css-validator/
[3] http://validator.w3.org/feed/
[4] http://developer.yahoo.com/performance/rules.html
[5] http://developer.yahoo.com/yslow/