# daisyDAISY Consortium

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# Progress Report

# EPUBCheck Development & Maintenance

Submitted to: Publishing Steering Committee

Date: December 30, 2020

## Summary

Phase 1 of the project, which was focused on updating EPUBCheck to EPUB 3.2, was successfully completed in April 2019.

Phase 2 started with major refactoring of the test suite for harmonizing the organically grown tests and for making it easier for new developers to contribute to the project. This is important for making the code maintainable, and for encouraging contributions from the community in the long term.

Recently the project reached another important milestone with development of the new EPUBCheck website, which is designed for a wide spectrum audience, from end users to the developers. Along with this, another milestone of providing support for Media Overlays is also complete. This marks the completion of three work items of phase 2, refactoring of test suite, EPUBCheck website, and support for Media Overlays. The fourth work item of phase 2, the new API is making good progress and the release is scheduled in February 2021.

In parallel, the last stable release of EPUBCheck, V4.2 is consistently maintained to address the immediate needs of the industry. Four maintenance releases were provided since version 4.2 was release in April 2019. V4.2.1 was released in May 2019, V4.2.2 was released in July 2019 and v4.2.3 & v4.2.4 were released in June 2020.

### Consideration

The EPUBCheck website development is complete, but right now it is on a temporary GitHub URL because the W3C URL is not finalized yet. The website will be switched to the W3C URL as soon as W3M makes the decision. Therefore, we should not broadcast the website publicly at this point of time. We should launch the promotion of the website after it is switched to a W3C URL.

## Details of completed milestones

Note: The timelines modified based on the decisions of the Steering Committee representatives are marked by \*.

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| --- | --- | --- | --- |
| Milestones | Schedule as per SOW/SC | Completion date | Description |
| Milestone 1.1: Maintenance release (EPUBCheck 4.1). | Oct/Nov 2018 | Nov 26, 2018 | The maintenance release addressed important pending issues before commencing changes for adding EPUB 3.2 support. The details of bug fixes, changes and downloads are available at the [EPUBCheck 4.1.0 release page](https://github.com/w3c/epubcheck/releases/tag/v4.1.0). |
| 1st test release for Milestone 1.2: (Implementation of EPUB 3.2) | Jan 2019 | Jan 14, 2019 | The test release updates the schemas for Package Documents and Content Documents. EPUBCheck now uses the latest schemas from the Nu Html Checker, which are kept up-to-date with latest changes in HTML standard. Further details and downloads are available at the [EPUBCheck 4.2.0 alpha 1 release page](https://github.com/w3c/epubcheck/releases/tag/v4.2.0-alpha-1). |
| Maintenance release v4.1.1 of EPUBCheck for EPUB 3.0.1 | As per the requirement | Jan 22, 2019 | The maintenance release is focused on bug fixes and updating the localized messages contributed by the volunteers. Brazilian-Portuguese and Korean languages are introduced, and French, German, Italian, Japanese and Spanish are updated. Further details and downloads are available at [EPUBCheck 4.1.1 release page](https://github.com/w3c/epubcheck/releases/tag/v4.1.1). |
| 2nd test release for Milestone 1.2: (Implementation of EPUB 3.2) | Feb 2019 | Feb 25, 2019 | Support for EPUB 3.2 is nearly complete with the beta release. It includes updates to the various EPUB vocabularies (for epub:type and Package Document properties), support for new Core Media Types, various bug fixes and other small improvements. Further details and downloads are available at [V4.2 beta release page](https://github.com/w3c/epubcheck/releases/tag/v4.2.0-beta). |
| Release candidate for Milestone 1.2: (Implementation of EPUB 3.2) | Not defined in SOW\* | Mar 18, 2019 | The release featured complete support of EPUB 3.2 and was the last test release before the final release. For details and downloads please visit [EPUBCheck 4.2-RC page](https://github.com/w3c/epubcheck/releases/tag/v4.2.0-rc) |
| EPUBCheck 4.2 release, with complete support for EPUB 3.2 | April 2019\* | April 23, 2019 | V4.2 is the stable production-ready release providing complete support for EPUB 3.2. It is localized in Danish, French, German, Italian, Japanese, Korean, & Spanish. Based on decision made by steering committee representatives, the release was kept on hold for a month to allow more time for feedback. For further details and downloads please visit [EPUBCheck 4.2 release page](https://github.com/w3c/epubcheck/releases/tag/v4.2.0). |
| Maintenance release v4.2.1 | As per the requirement | May 20, 2019 | The maintenance release fixes an issue with the doc-endnote DPUB ARIA role. For further details and downloads, Please visit [EPUBCheck 4.2.1 release page](https://github.com/w3c/epubcheck/releases/tag/v4.2.1). |
| Maintenance release v4.2.2 | As per the requirement | July 19, 2019 | The maintenance release revert the toc and page-list navigation order check from an error to a WARNING, as per the EPUB 3 CG recommendation. It also incorporates contribution of new Traditional Chinese translation. For further details and downloads, Please visit [EPUBCheck 4.2.2 release page](https://github.com/w3c/epubcheck/releases/tag/v4.2.2). |
| Maintenance release v4.2.3 | As per the requirement | June 23, 2020 | The maintenance releases update HTML schemas, remediates security vulnerabilities along with other bug fixes & adjustments. For further details and downloads, Please visit [EPUBCheck 4.2.3 release page](https://github.com/w3c/epubcheck/releases/tag/v4.2.3) |
| Maintenance release v4.2.4 | As per the requirement | June 24, 2020 | It is follow-up release for v4.3. It brings HTML schemas in sync with the latest changes to the ARIA in HTML specs. For further details and downloads, Please visit [EPUBCheck 4.2.4 release page](https://github.com/w3c/epubcheck/releases/tag/v4.2.4) |
| Milestone 2.1: Refactored test suite | April 2020\* | July 16, 2020 | The extensive cleaning up and refactoring of test suite is complete. More details are available at [GitHub milestone](https://github.com/w3c/epubcheck/milestone/14). |
| Milestone 2.2.a: EPUBCheck website and support for Media Overlays | Dec 2020\* | Dec 24, 2020 | EPUBCheck website is complete, it is available at the [temporary URL](https://rdeltour.github.io/epubcheck-staging/). The support for Media Overlays has also been added. Please visit the [GitHub milestone](https://github.com/w3c/epubcheck/milestone/17) for more details. |
| Milestone 2.2.b: Internal refactoring and new API | Dec 2020\* | Scheduled in Feb 2021 | In progress |

### Additional milestones achieved (beyond that are defined in the statement of work)

Based on decision made by representatives of Steering Committee for EPUBCheck project (Tzviya and Luc) in January 2019, the online EPUB validator service [http://validator.idpf.org/](http://validator.idpf.org/%20) was updated to EPUB 4.1.1 (The latest maintenance release of EPUBCheck conforming to EPUB 3.0.1).

## Work in Progress

* Internal Refactoring and development of new API. Two releases are planned in February 2021; one will be the production ready release with new test suite and Media Overlays support, while the second one will be test release with new public API as the additional feature. This is because the new API would change the public interface for people who are integrating EPUBCheck in their workflow. Therefore, inviting feedback from them is important before providing production ready release.

Sincerely

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