

Behavior Annex Errata

Etienne Borde, TELECOM ParisTech

BA v2.0 is ready for formal ballot



Yes, it has been a long process!

Modification requests arrived until the very last days before submission

- BA v2.0 includes a resolution for 40 Errata, described in a dedicated document
 - Both document (BA v2.0 and errata resolution description) will be submitted for the formal ballot phase
- Please participate to the vote when a new version of annexes is submitted for formal ballot
 - BTW, what would be the time frame for this?

Errata resolution description

- We can have a look at the document, available on github:
 - <https://github.com/Etienne13/BehaviorAnnexErrata>
- It contains the list of resolved errata, per section of the original document
 - Identifier
 - Description
 - resolution

New errata to discuss today?

- There exist errata without resolution: they were not included in the release because their resolution was not mature despite several discussions with the committee.
- There is no errata that was not discussed earlier
- I will not discuss errata now: there has been no progress on that topic since the last meeting. We were busy preparing the formal ballot

What's next?

- A feedback on BA errata management
- A proposal to organize next phase

Feedback

- Good points:
 - Errata were visible and documented on the wiki, as well as updates of the document
 - Errata resolutions were presented and discussed in each AADL committee meeting; presented slides were updated and available between meeting
- Bad points
 - Only one manager (me) of the wiki page for errata
 - Few (or no) interactions between meetings
 - History of modifications/discussions were not gathered (but spread with meetings minutes)
 - The wiki format is not so easy to edit
 - Documentation of errata was not sufficient

Proposal for next phases

- Rely on a public github repository
 - Bad point: the updated document is not available anymore
 - Good points: keep history, easier to access, does not rely on wiki edition capabilities, possibility to interact between meetings, possibility to track authors of comments, modifications.

Github repository proposal

- The following github is a first proposal:
<https://github.com/Etienne13/BehaviorAnnexErrata>
- It contains:
 - a README.md file: instructions on how to use the repository
 - A set of directories: their role is described in the README.md file

How to use the repository?

To answer the question, consider (as described in the README.md file):

- The structure of the repository
- The life-cycle of BA errata

Structure of the repository

The repository is organized as follows:

- *version X.Y* is a directory that contains a single file: this file contains the description of a set of modifications that were adopted by the committee in order to produce release X.Y of the Behavior Annex document.
 - Folder *version 2.0* already contains the document we will use to ballot a new revision of the BA
 - Folder *version 2.1* is there to prepare new revisions of the BA
- *submitted* is a directory that contains a set of documents. Each document is a description of a submitted erratum with the **initial rationale** of the erratum, a **description** of the erratum, and the version of the document on which it is applied.
- *adopted* is a directory that contains a set of documents. Each document is a description of an adopted erratum. It must contain the **adopted resolution** as well as **at least one illustrative example**. The adopted resolution must refer the version of the document to which it applies.
- *rejected* is a directory that contains a set of documents. Each document is a description of a rejected erratum with the reasons for its rejection.
- *meetings_history* is a directory that contains all the slides presented to the AADL committee meetings.

Life-cycle of BA errata

- Note that contributing to the errata requires to be familiar with the usage of github
 - For instance, the first step is to make your own fork of the repository, and request a merge when you are done with your modifications
- The first step of the process is to submit new errata: create a new file in directory « submitted » ; use the template provided to describe the errata.

Life-cycle of BA errata

- Second step: errata discussions
 - should be done using the github interface via issues.
 - These issues will be used during committee meetings to contribute to discussions and make decisions.
- During meetings, errata are further discussed, and decisions are made: rejection, adoption, or delayed

To summarize

- The github replaces the wiki for errata management
- New versions of the document should be available to committee members but not on github (github=public access)
- Submitted errata must have:
 - An identifier
 - A rationale
 - A description
- To be accepted, an errata must have (in addition to the submitted material) a proposed resolution and at least one illustrative example