IDS AirNav
an enav group company

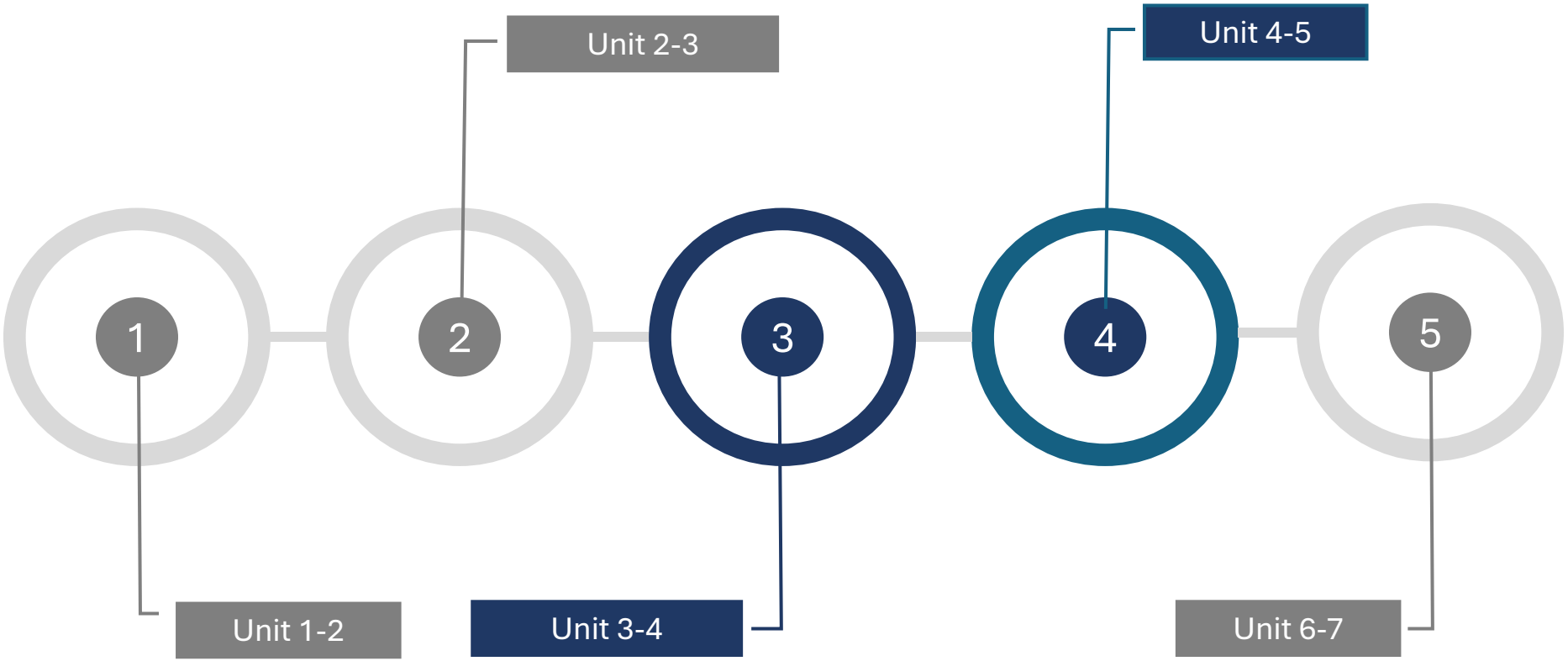
WePub Training for Operators

Unit 4

enav group

TRAINING SESSIONS

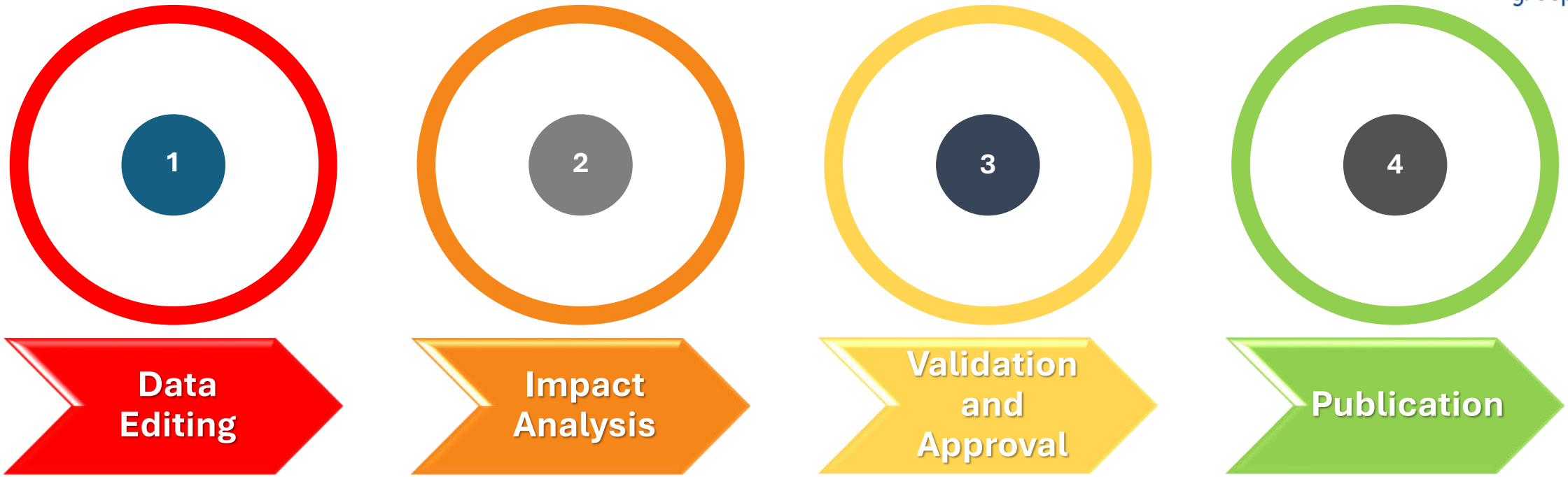
5 days



WePub operative workflow

WePub full generation cycle

WePub workflow overview



Changes Requests are collected from data originators on both :

- Structured Data
- Text, Images, Charts

Impact on Publication is evaluated.

Impacted sections are highlighted

The authorized user can accept/reject changes

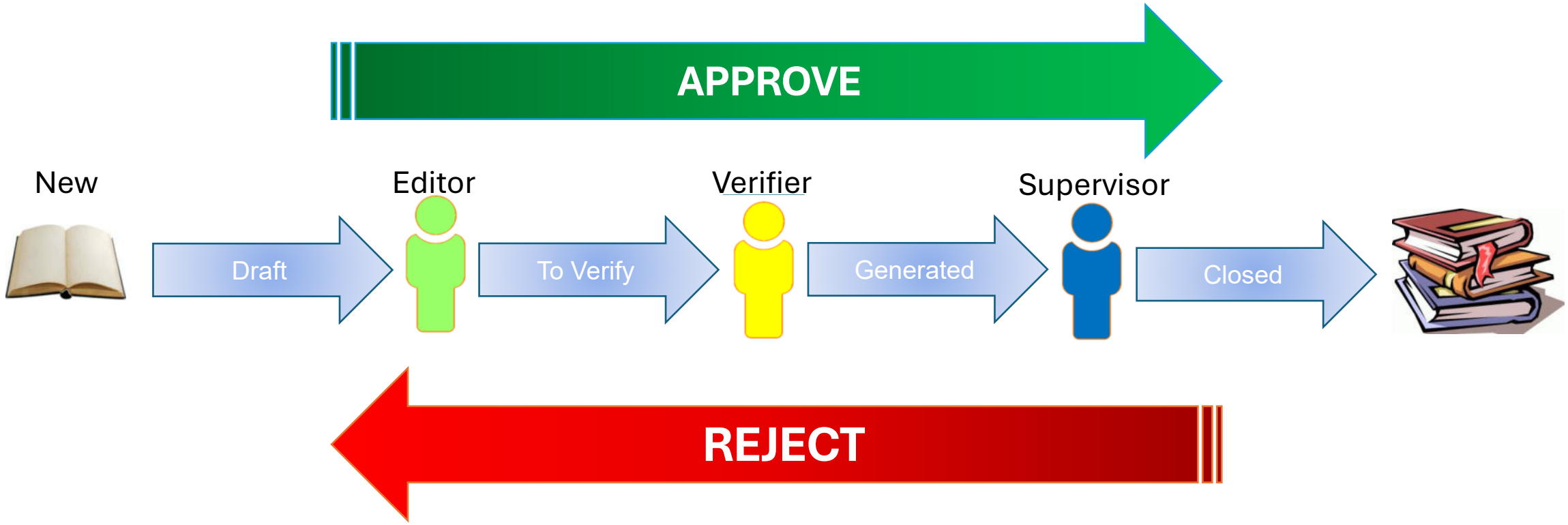
Final Publication is Validated by checking:

- Changed Pages
- Changed Charts
- Blank Pages
- Coverpage
- Checklist

All changes are approved

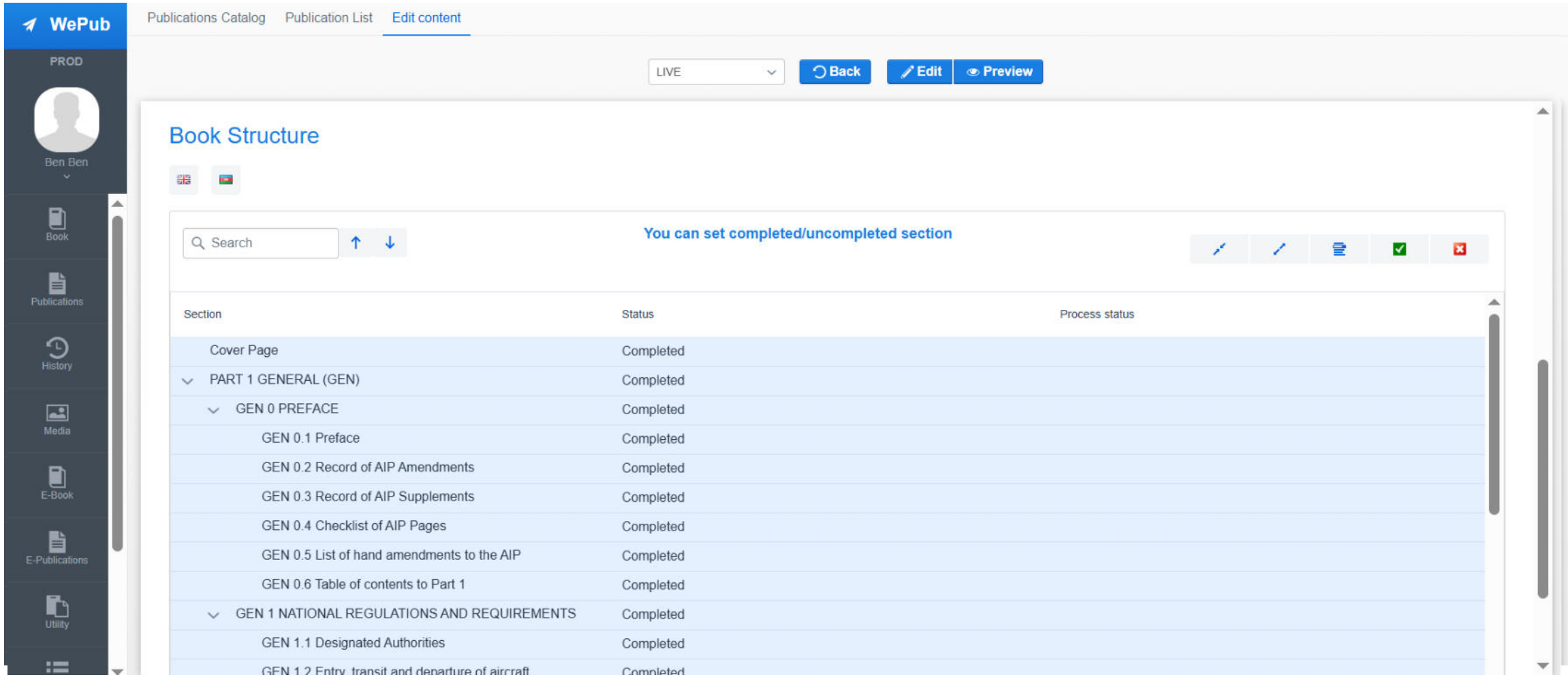
Final AIP and eAIP are produced and made available on the web

Publications workflow statuses



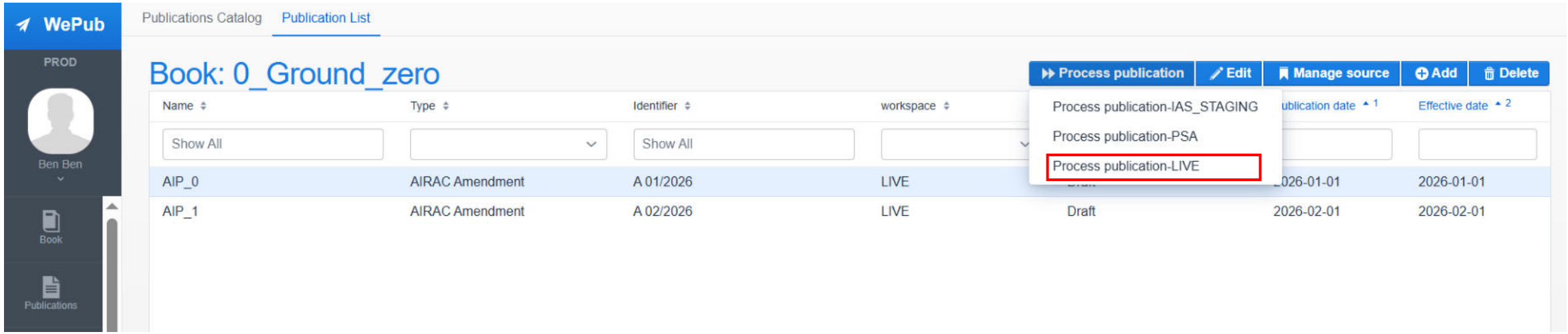
WePub full generation cycle

When a «Draft» publication is ready to be verified, the Editor user has to set all the sections as completed



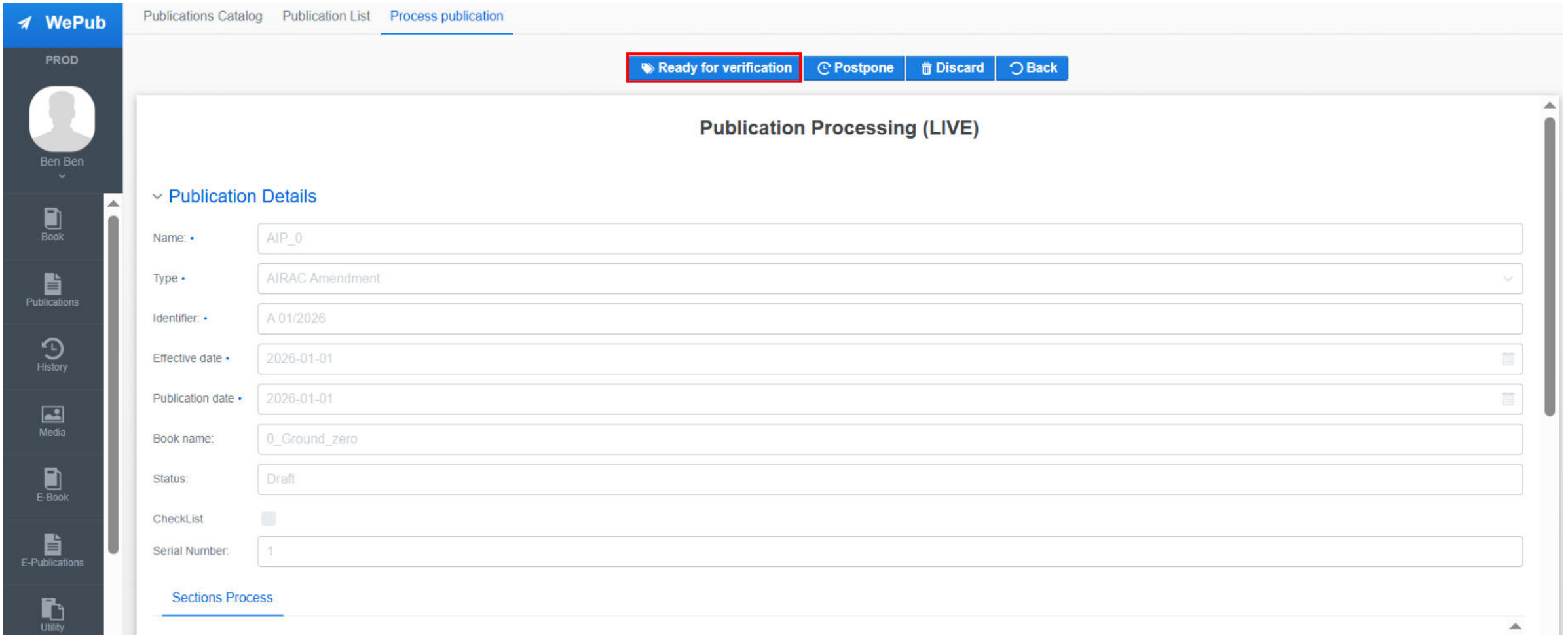
WePub full generation cycle

When all publication's sections are marked as completed, the Editor user selects the publication, hover with the cursor the «Process publication» button, then presses «Process publication-LIVE» button



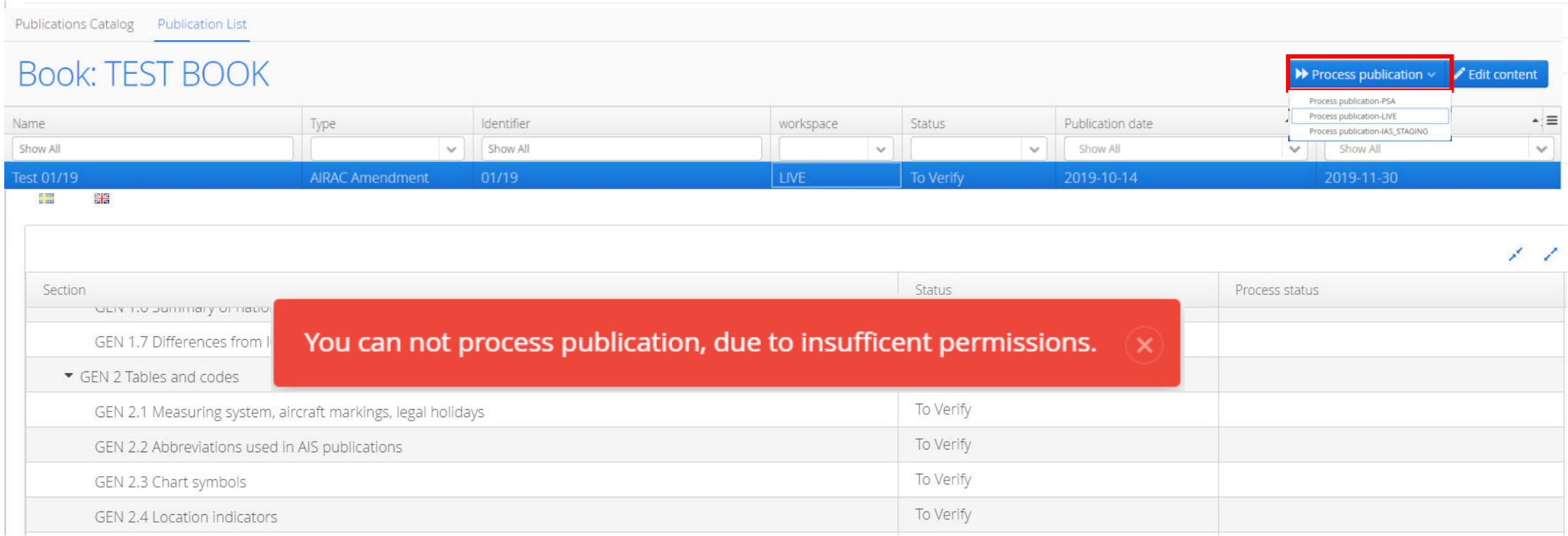
WePub full generation cycle

Once the “Publication Processing (LIVE)” interface is displayed the Editor user clicks “Ready for verification” button



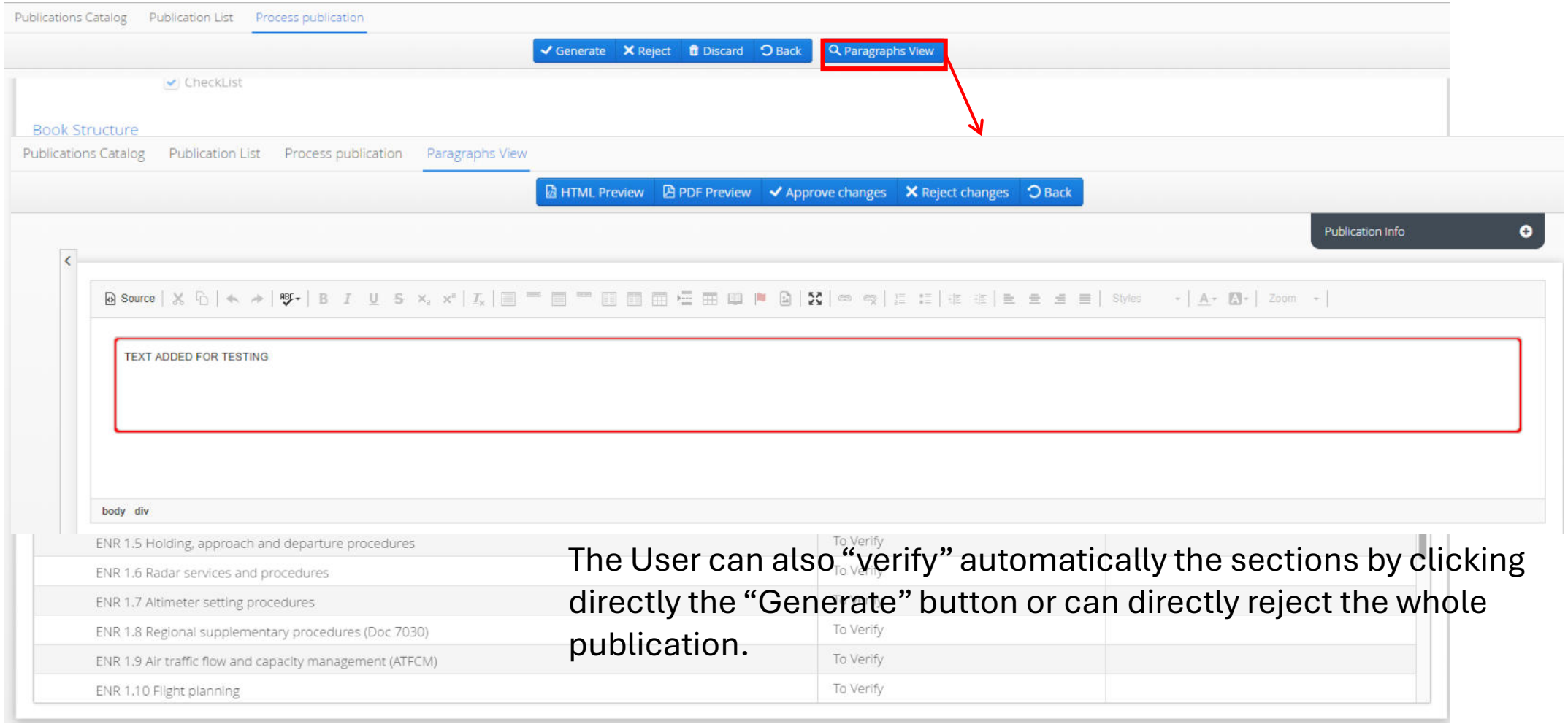
WePub full generation cycle

When the status of the Publication and of all the sections is “To Verify” the Editor user cannot modify anything anymore.



WePub full generation cycle

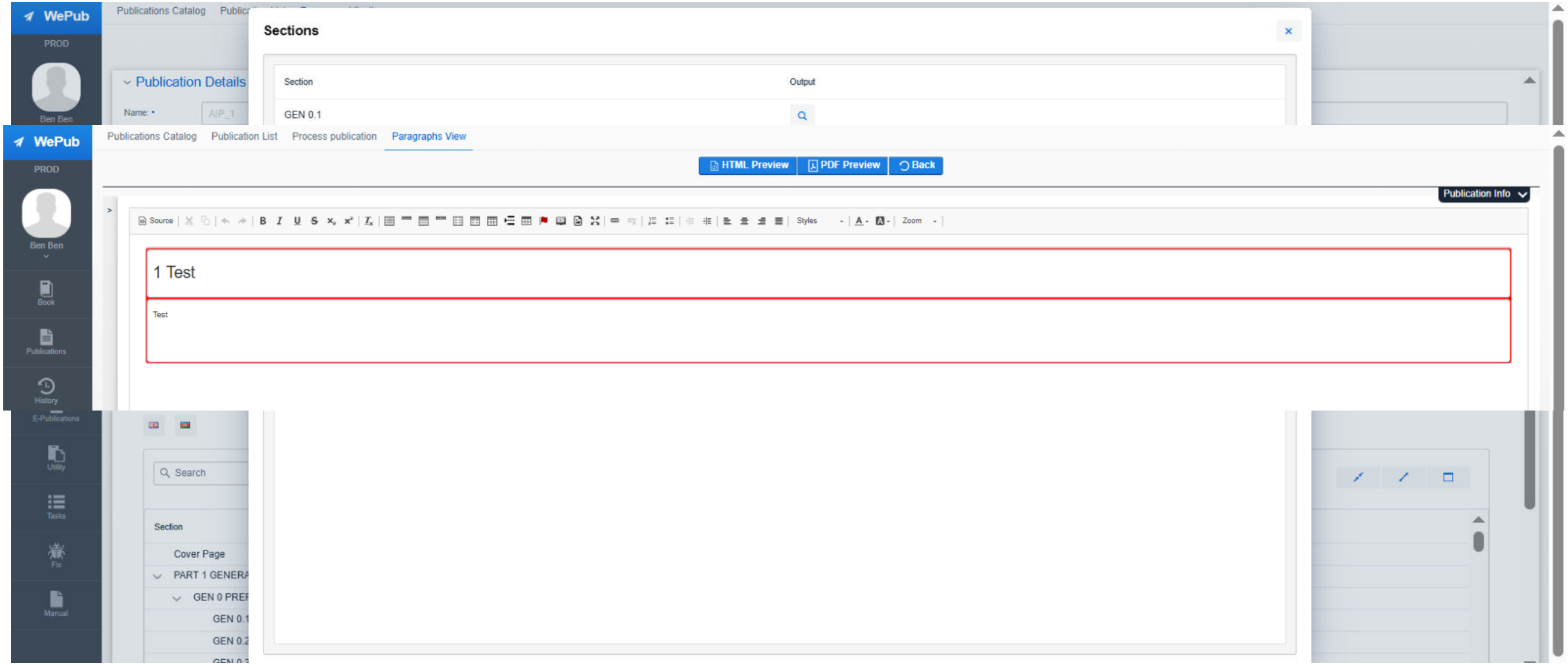
The Verifier user logs in and enter the “Publication Processing (LIVE)” interface.
The verifier can decide to Verify the sections manually by clicking the “Paragraph view” button



The User can also “verify” automatically the sections by clicking directly the “Generate” button or can directly reject the whole publication.

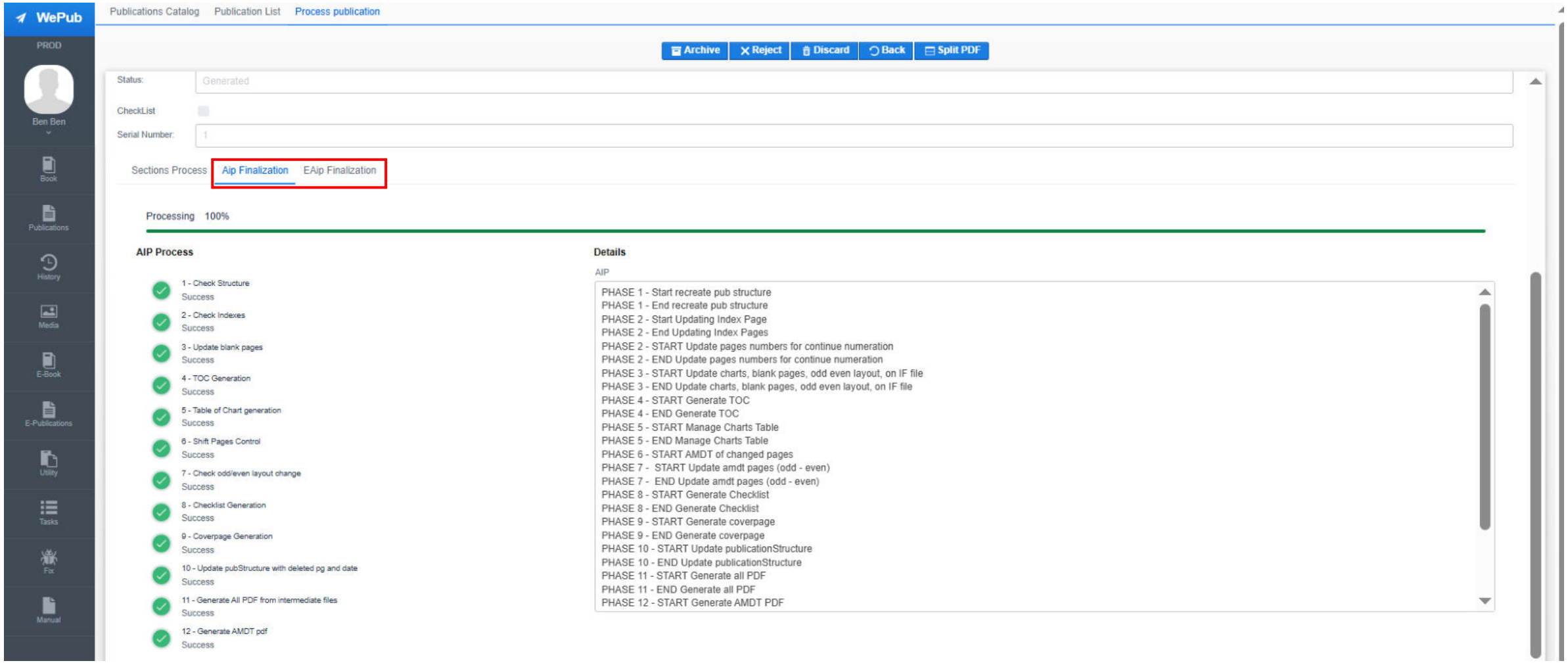
WePub full generation cycle

Clicking on the magnifying glass "To Verify", the user can quickly have an overview of the edited sections by clicking on the "View Sections" button.



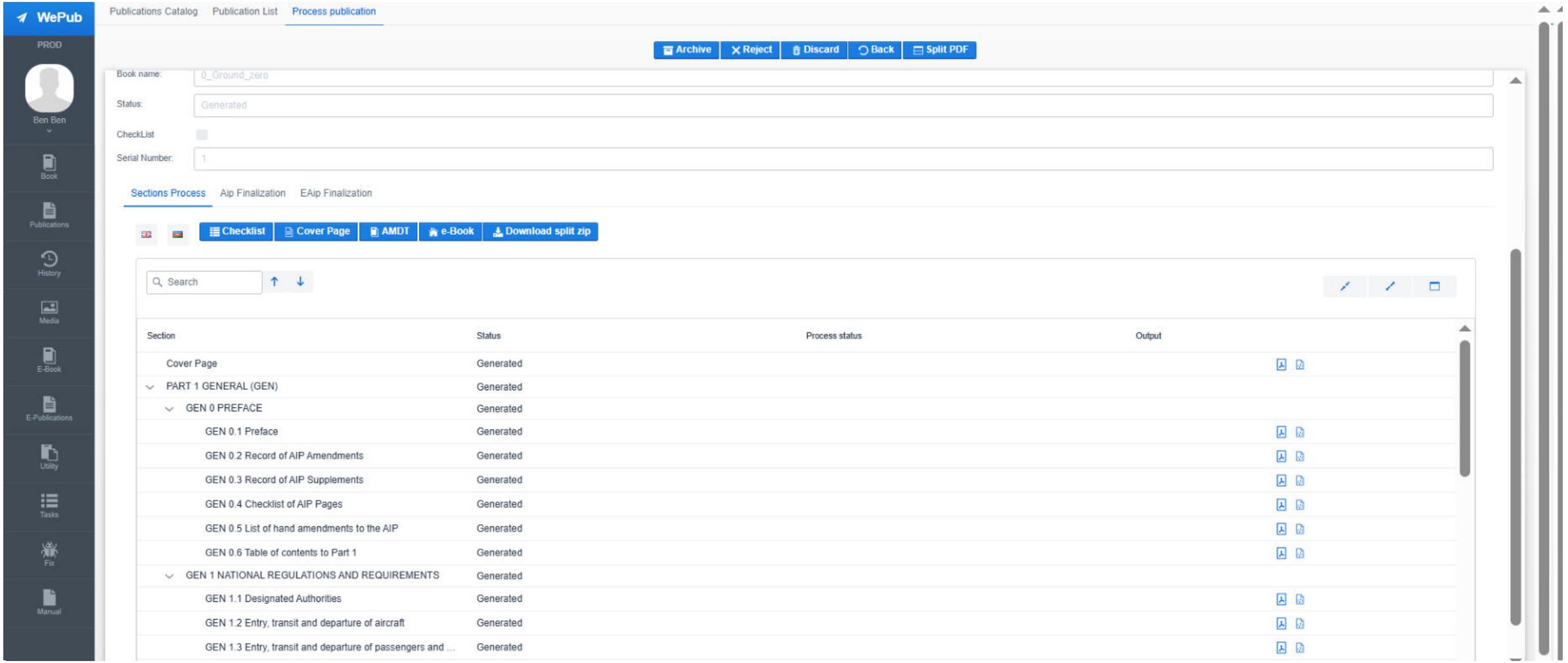
WePub full generation cycle

The user can monitor the generation process status of both AIP and e-AIP by clicking on the related tabs.
A percentage bar shows the progress and a numbered list shows in which point the generation process is.



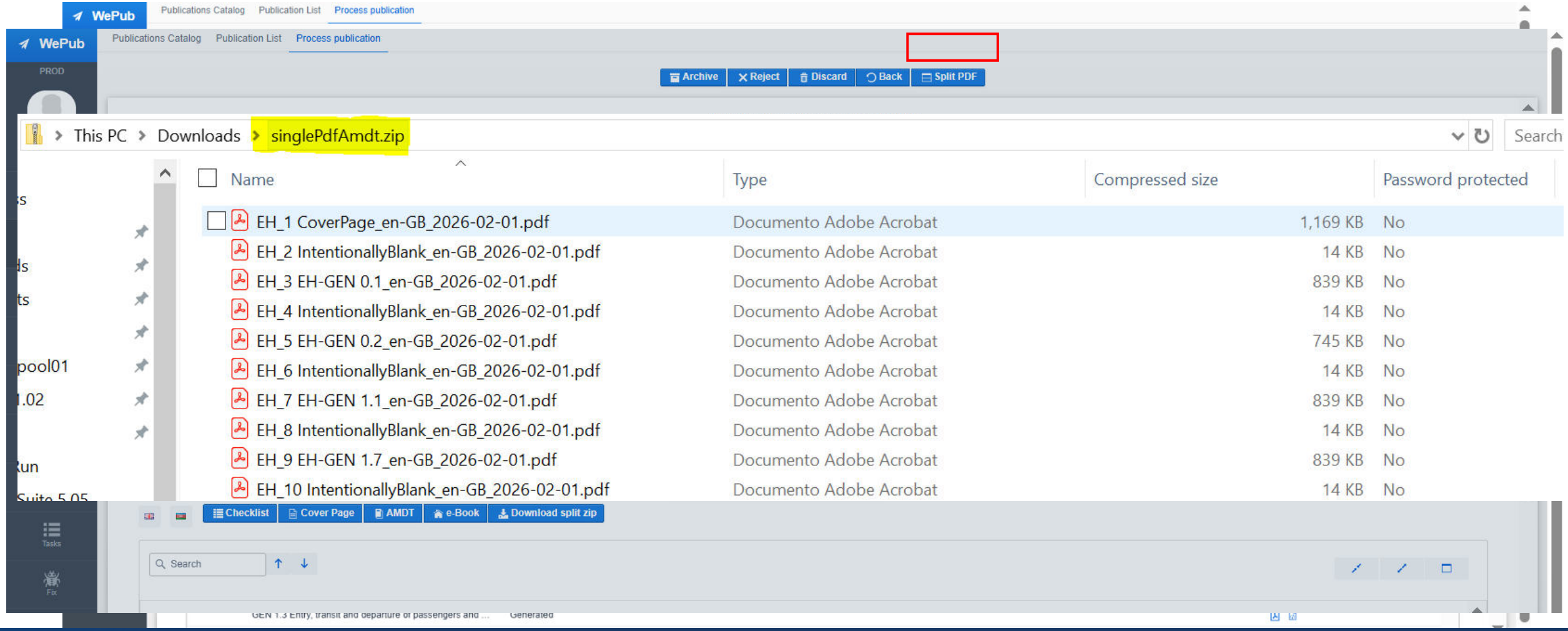
WePub full generation cycle

When the status of the Publication is “Generated” the Supervisor user can access the publication for output checking by clicking on “Sections Process”.



WePub full generation cycle

Only when the publication's status is ***"Generated"*** it's possible to download a zip file containing all the generated sections splitted page by page.
This is possible by clicking on "Split PDF". A zip file named "singlePdfAmdt" will be downloaded.



WePub full generation cycle

The Supervisor user, at the end of the generation process, decides if Archive or Reject the publication

A: is the publication Rejected?

The publication comes back at “Draft” level, having “Rejected” status.

002/19	AIRAC Amendment	002/19	LIVE	Rejected	2019-10-15	2020-10-01

The User who performs the operation always has to specify a reason for the rejection.

WePub full generation cycle

The Supervisor user, at the end of the generation process, decides if Archive or Reject the publication

B: Is it the publication Archived?

The publication turns to “Closed” status.

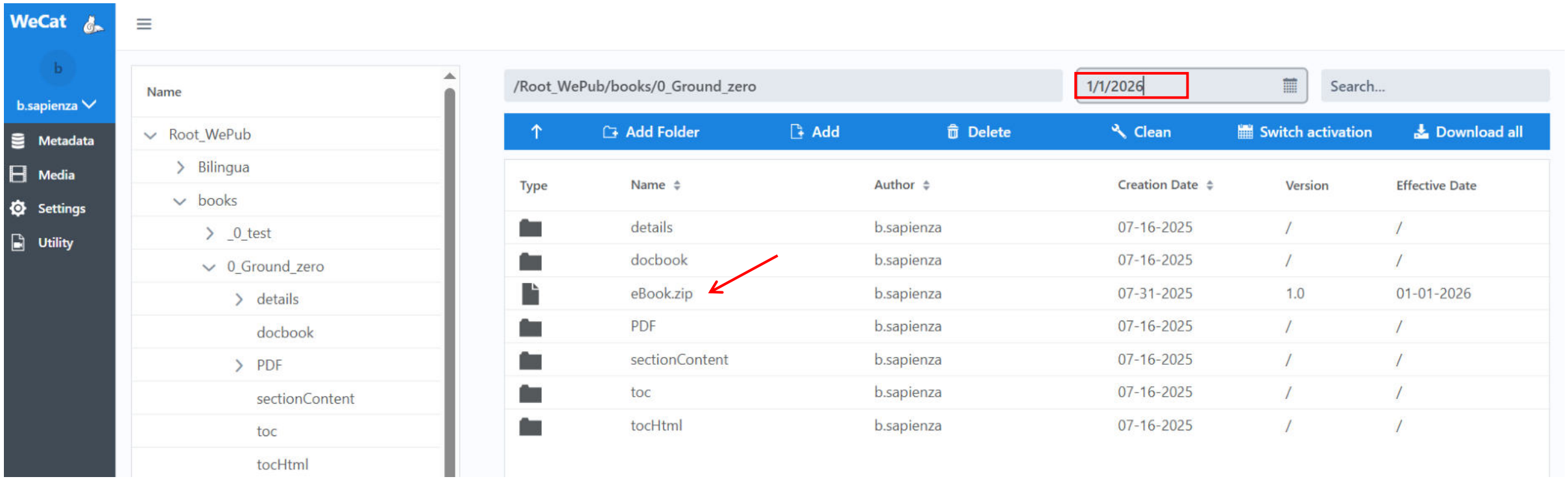
AMDT 01	AIRAC Amendment	01/19	LIVE	Closed	2019-05-01	2019-08-02

WePub full generation cycle

After being archived the Publication can be found in a .zip folder in the media.
It is automatically stored in the repository by the system.

The publication will be visible if the effective date set is according with the effective date of the publication.

The Publication can be anyway reopened in future if needed.
It will be automatically removed from the repository by the system.



Exercise

- AIP First Amendment generation workflow.

Capability to postpone textual changes

Capability to postpone textual changes collected in a "textual" source

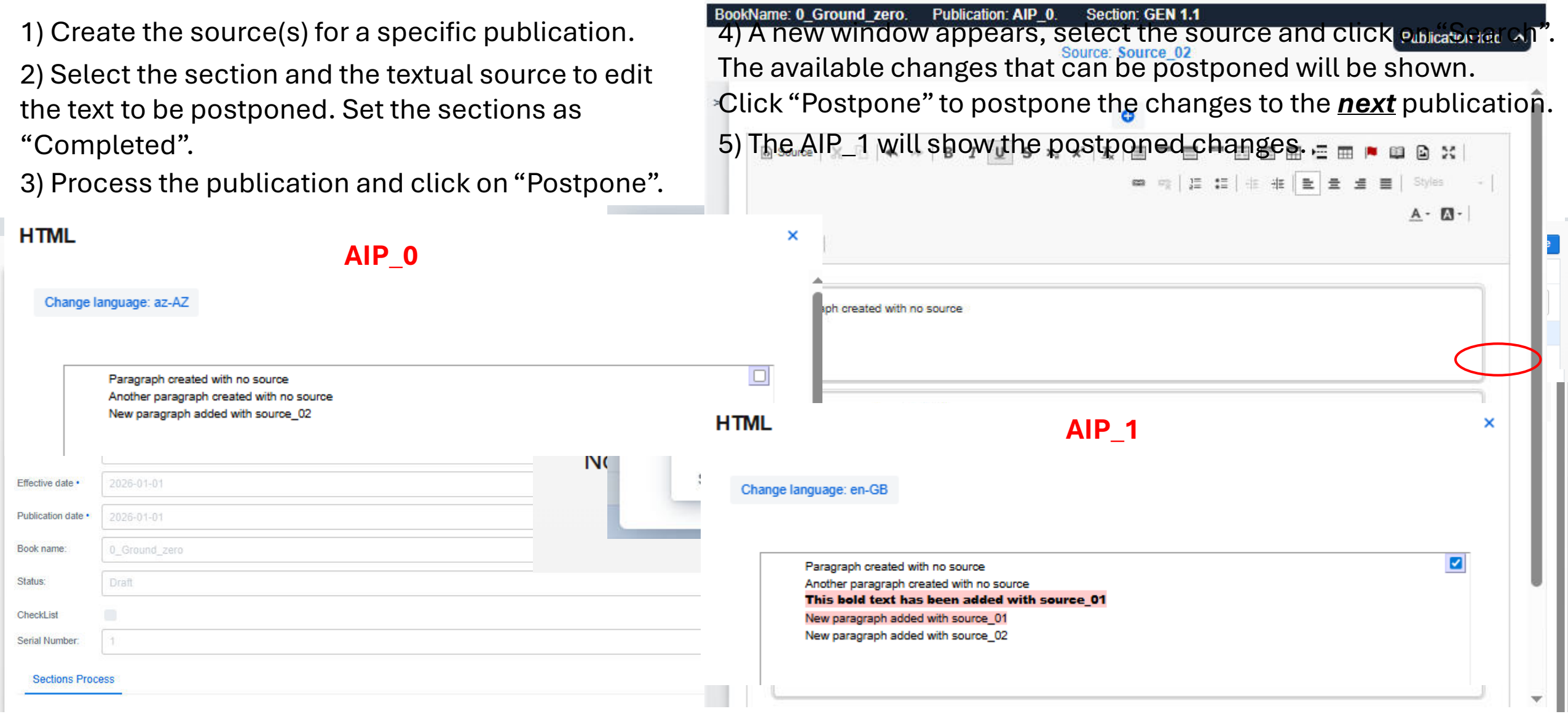
1) Create the source(s) for a specific publication.

2) Select the section and the textual source to edit the text to be postponed. Set the sections as “Completed”.

3) Process the publication and click on “Postpone”.

4) A new window appears, select the source and click on “Search”. The available changes that can be postponed will be shown. Click “Postpone” to postpone the changes to the ***next*** publication.

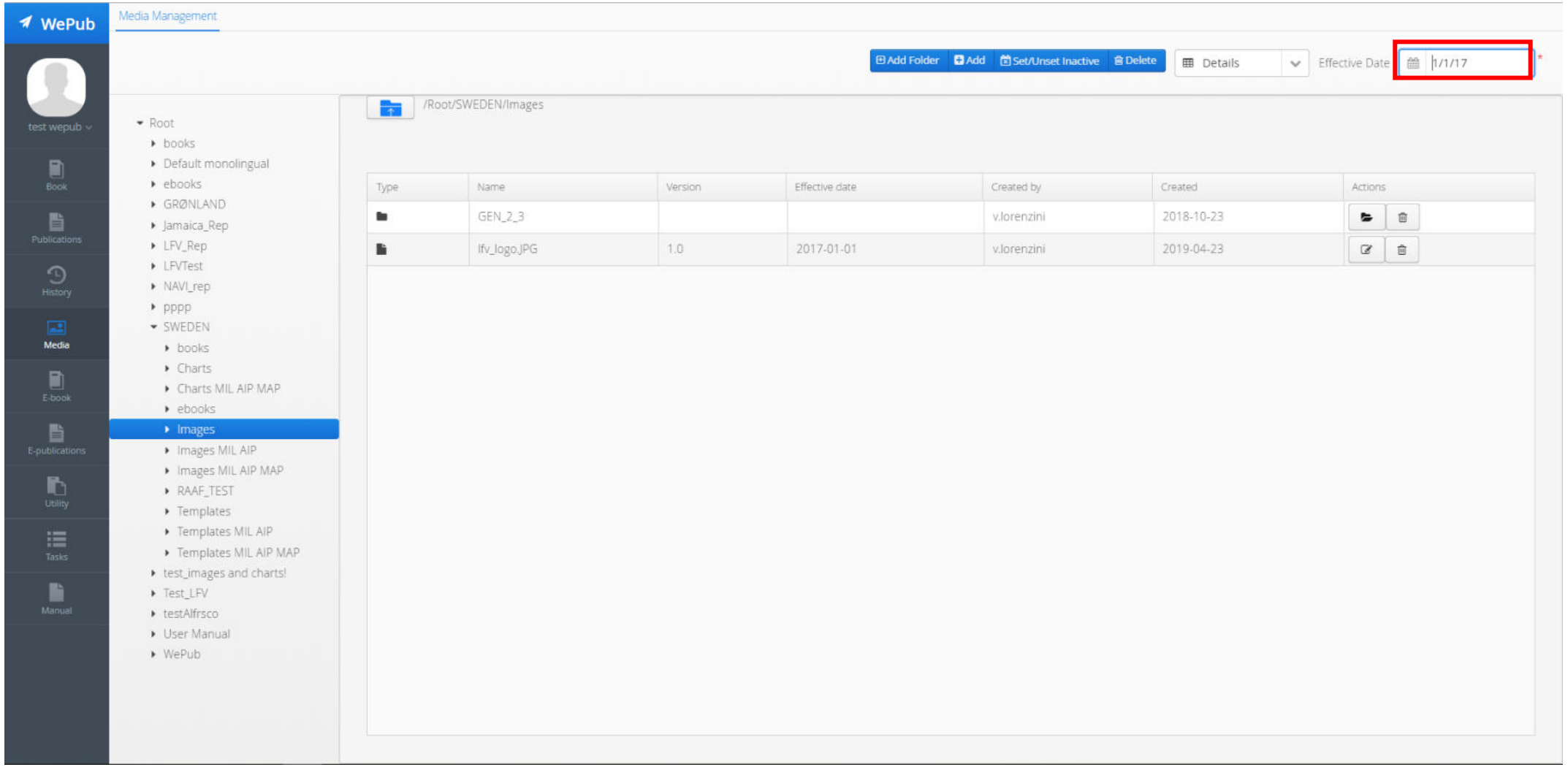
5) The AIP_1 will show the postponed changes.



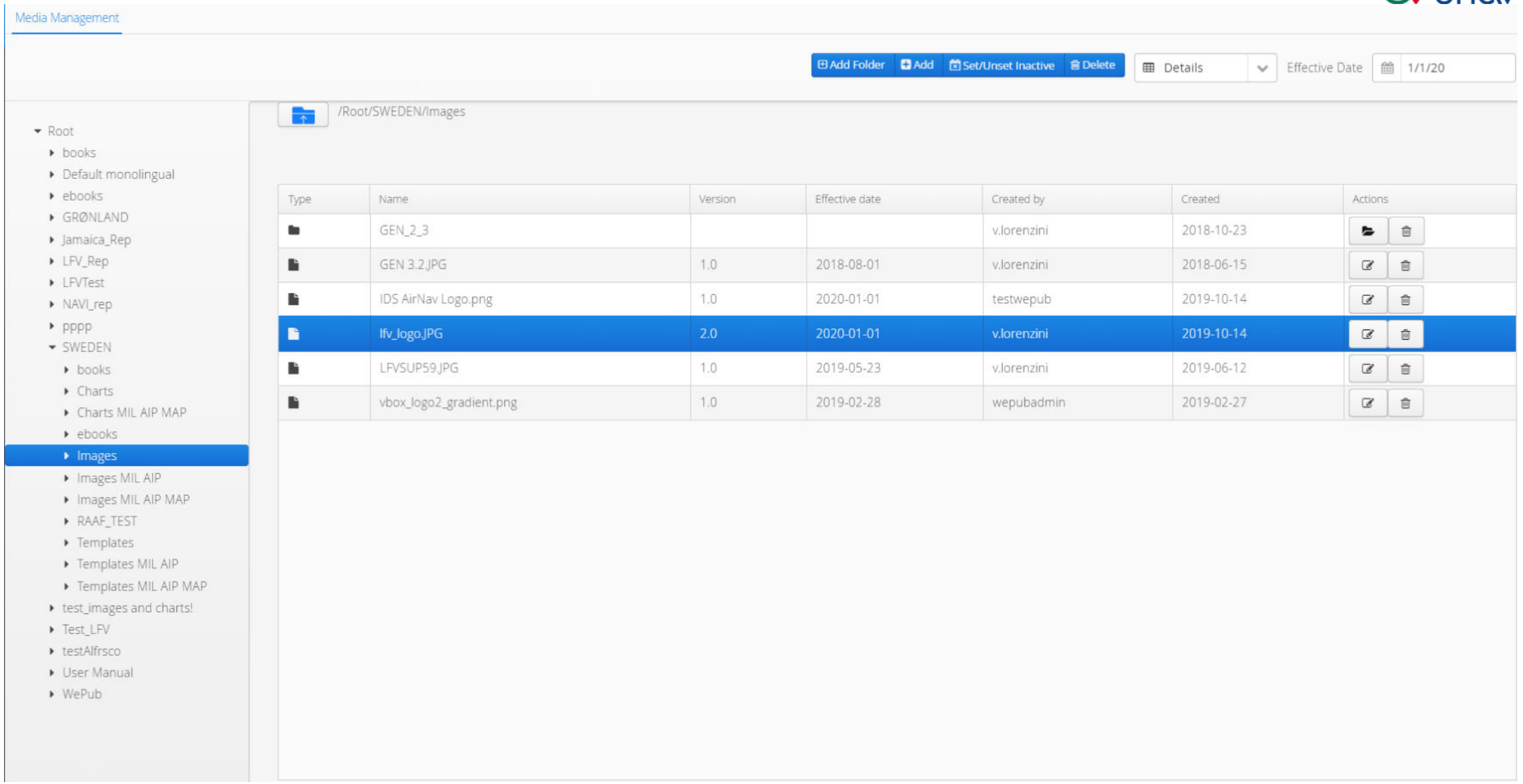
Temporality and versioning of media

Temporality and versioning of media

All the files inserted in the WePub Repository through the Media tab are associated to an Effective Date



Temporality and versioning of media



Exercise

- Open the repository
  - Insert any new images and charts to be utilized in the new amendment;
  - Change the version of some of the already existing images so that their effective date is in the future and the can be included in a new amendment.
    - Try to directly add a new file having same name and extension of any already existing one;
    - Try to utilize the “Actions” button for updating the version of any file;
    - Insert the “Chart title” metadata for charts to be included in the AMDT.

Any Questions

Coffee break

Impact Analysis on the publications

Structured data modifications on amendment

- In any “next” amendment, the data included in the dynamic sections will be according with the last data modification at the publication’s effective date.

- This means that if in LIVE workspace there is at least a modification in a feature impacted by the AIP in the range time between the two publications, the system will be automatically able to recognize it and show it as a change.

- It is possible to see which data will be impacted from the amendment before validating data into LIVE workspace by generating the new amendment in IAS_STAGING or PSA workspace.

- If the detected modifications will be acceptable the user will have to perform the “merge” data operation by using RDBC application.

- The sections recognized as modified are highlighted in blue color in the sections list in order to give to the user a quick idea of which sections will be amended in the new publication.

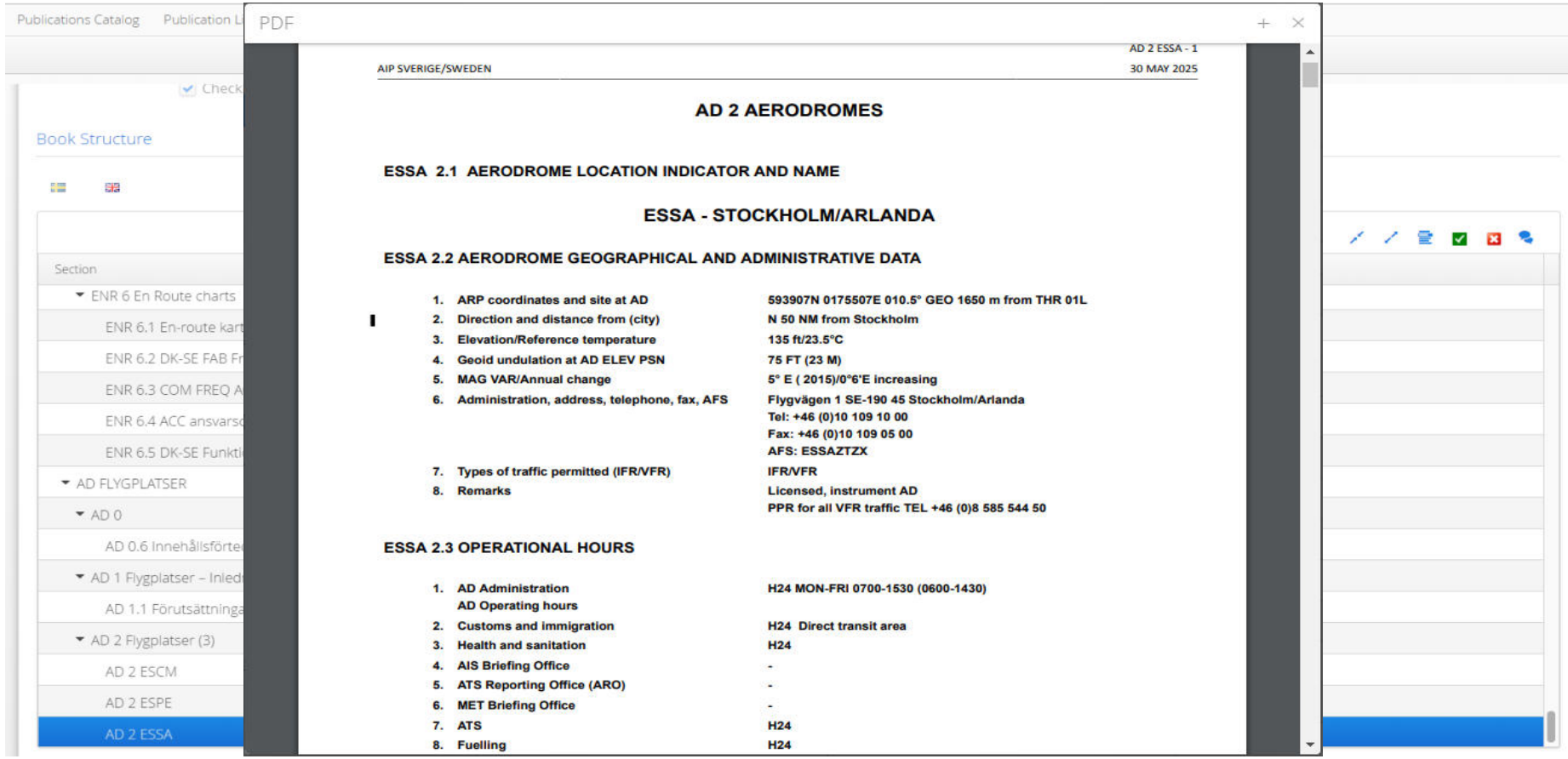
Static data modifications on amendment

- As for dynamic data WePub can recognize all the changes between two amendments in static data.
- The system will detect modifications for all static data types: Text, Tables and media.
- The media versioning can be an automatic process if the media version has been changed, compared to the last Amendment version.
- The modifications are visible for dynamic and static data in both previews and during the generation phase.
  They are recognizable according with ICAO/Eurocontrol specifications:
  in PDF documents changes are highlighted with change bars and arrows;
  in HTML documents changes are highlighted in pink and dark pink, for AIRAC amendments, or blue and light blue, for Non-AIRAC amendments, depending on the type of modification.
- The sections recognized as modified are highlighted in blue color in the sections list in order to give to the user a quick idea of which sections will be amended in the new publication.

Impact Analysis on amendments

PDF

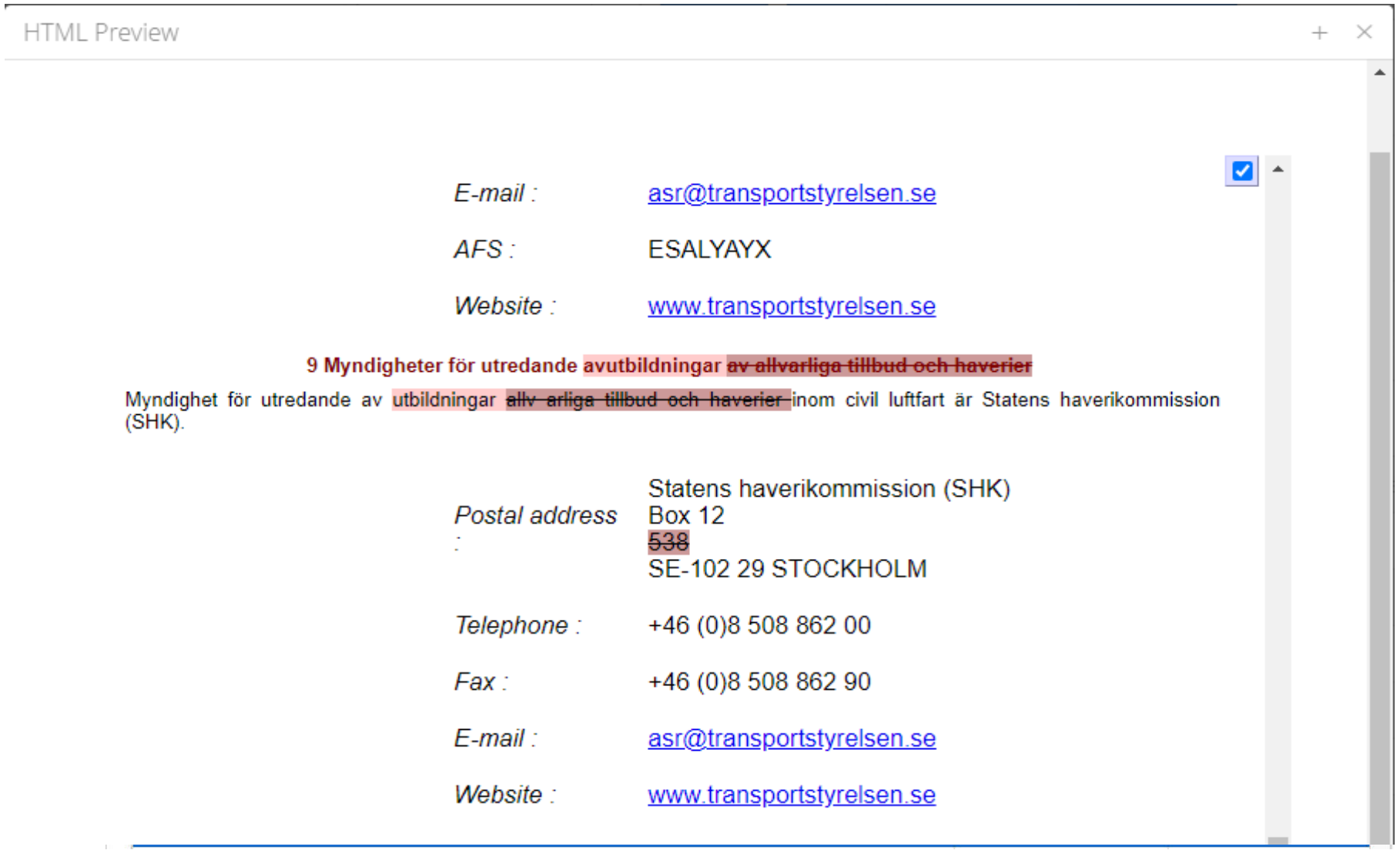
- Each time the user wants to know how a change will impact the final output, he can figure it out from WePub interface, before generating the whole amendment
- When a section is selected it is possible to preview the change of section in PDF or HTML format. For comparing the two amendments, the previous one needs to be in “Closed” status.



Impact Analysis on amendments

HTML

- The same is doable for HTML visualization:

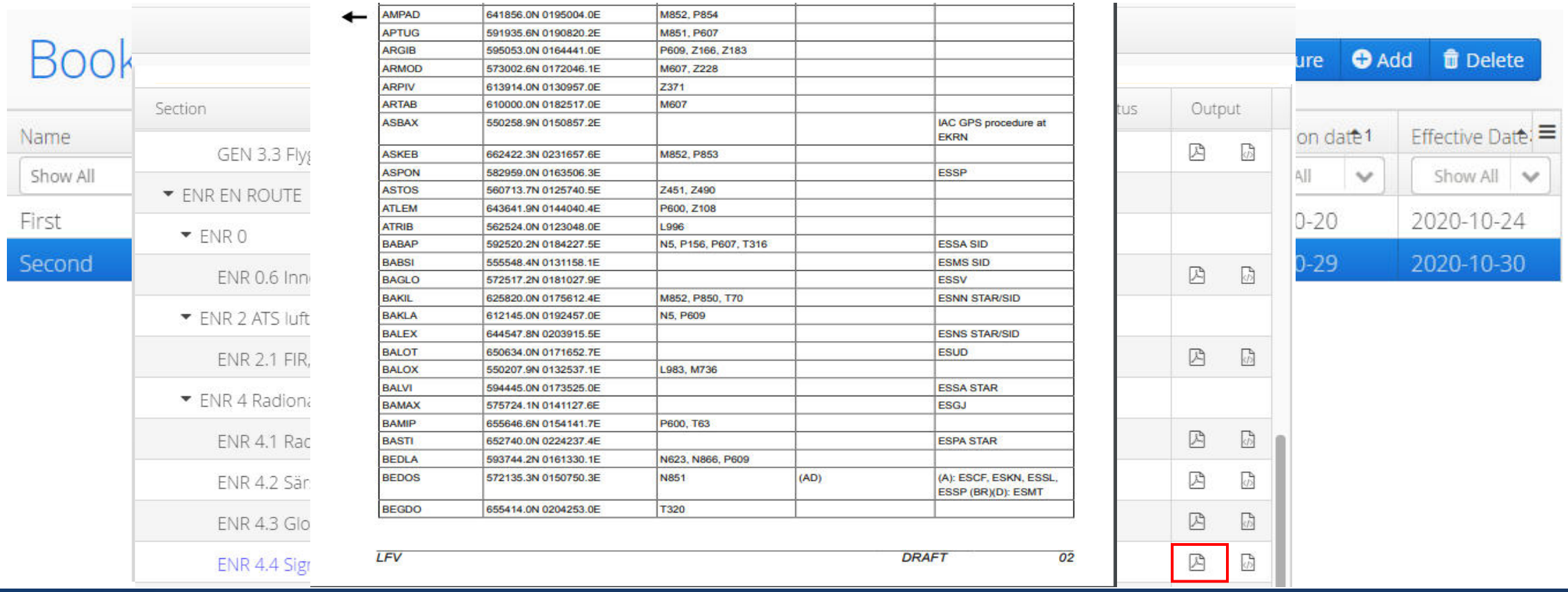


Impact Analysis on amendments

Generation from different workspaces

- When generating from IAS_STAGING or PSA workspaces, the system only has two generation phases: the publication can be generated and then rejected.

This is because the amendments not generated from LIVE workspaces cannot be considered as official, so they have necessary to be rejected. For the same reasons, these two workspaces do not allow editing.

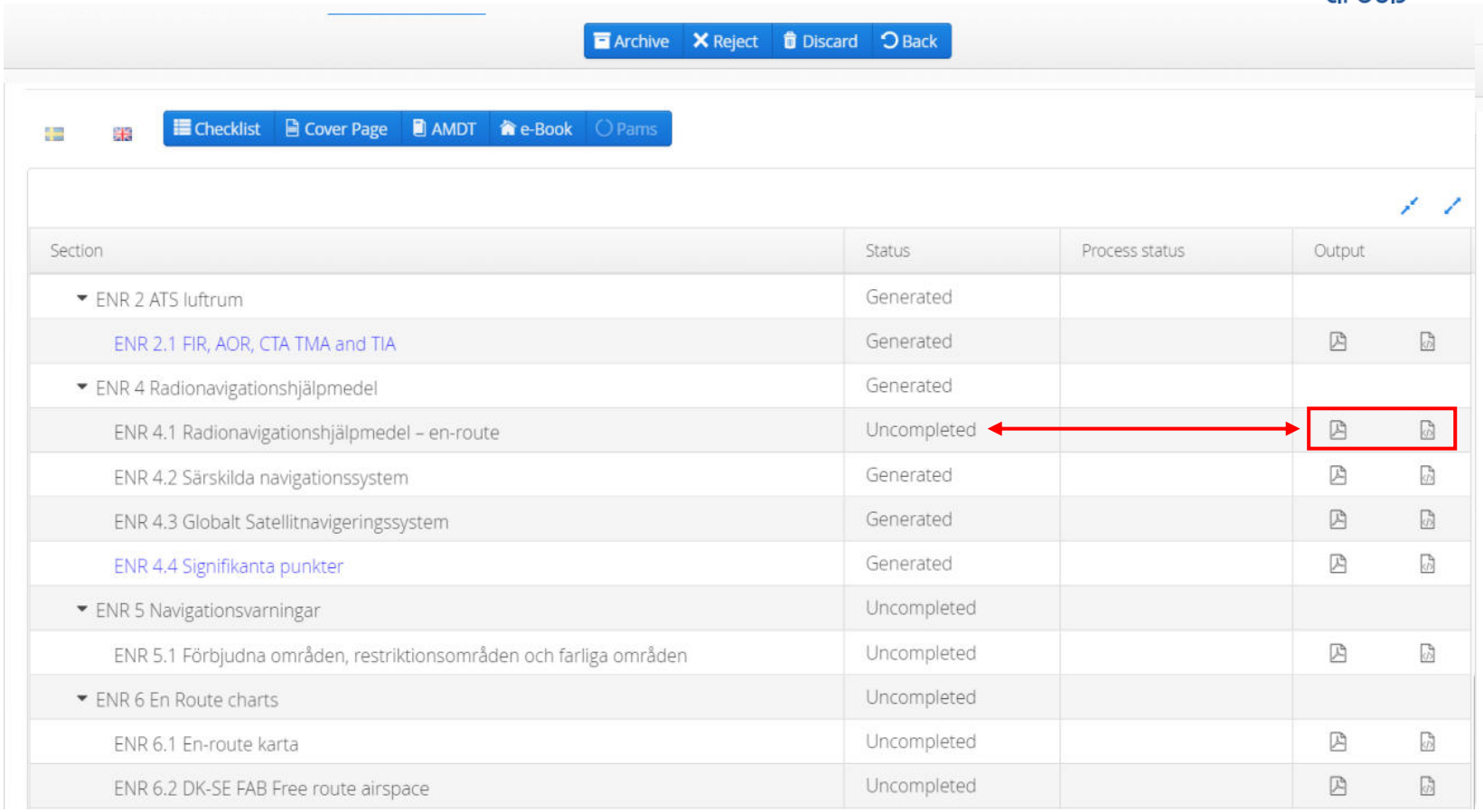


Impact Analysis on amendments

Partial generation

- The user may also decide to generate a single section or a group of sections rather than the whole AIP in order to save time and quickly check the final output. This applies to all the three workspaces.

- The generation can then be continued, the system utilizes the last available files version for the uncompleted sections…
  … or stopped and restarted, generating the whole publication.



Section	Status	Process status	Output
ENR 2 ATS luftrum	Generated		
ENR 2.1 FIR, AOR, CTA TMA and TIA	Generated		
ENR 4 Radionavigationshjälpmedel	Generated		
ENR 4.1 Radionavigationshjälpmedel – en-route	Uncompleted		
ENR 4.2 Särskilda navigationssystem	Generated		
ENR 4.3 Globalt Satellitnavigeringssystem	Generated		
ENR 4.4 Signifikanta punkter	Generated		
ENR 5 Navigationsvarningar	Uncompleted		
ENR 5.1 Förbjudna områden, restriktionsområden och farliga områden	Uncompleted		
ENR 6 En Route charts	Uncompleted		
ENR 6.1 En-route karta	Uncompleted		
ENR 6.2 DK-SE FAB Free route airspace	Uncompleted		

Amendments complete generation

Amendments generation processes

- The operative processes for any amendment, starting from the second, are the same of the first one.
  The only significant difference is in the RDBC process and the differences evaluation, explained before.

- For a new amendment, the verifier user plays an essential role considered that all the modified data will need to be approved for being included in the final Amendment.

- After archiving the second amendment the .zip file contained in the media will have version 2.0 (according with the effective date set) and so it will contain the changed documents for PDF and HTML both.
  Then moreover the amendment will be ready to be included in the electronic package.

Exercise

- Choose your book and create a new amendment and Save;
  - ➢ Second amendment preparation:
    - Modify anything into the sections you populated in the first version;
    - Generate previews for inspecting the changes, verify that the versioned images and charts are correctly shown;
    - Populate the content for any static section left empty in the previous version by reproducing the same sections of your current AIP, such as GEN 2.2, GEN 2.3 and similar sections;
    - If needed, add new charts or images to the section contents;

    - Open Feature Manager:
      - Select the source associated to your amendment;
      - According with the mapping, modify any data to be printed in the second amendment.
      - Generate previews from IAS_STAGING workspace for checking the changes you performed are correctly shown.
        - ❖ Utilize the “View Amendment” of PDF previews for performing the impact analysis;
        - ❖ Flag the “Show Amendment” setting of HTML previews for performing the impact analysis.

      - Generate the single sections or the whole amendment from IAS_STAGING workspace for checking the changes.
      - If the changes are correctly displayed, then reject the amendment and perform the RDBC operation;
      - Verify on WePub in LIVE workspace that the changes are correctly shown.
      - Generate the new amendment from the LIVE workspace

Any Questions

THANKS FOR YOUR ATTENTION