IDS AirNav
an enav group company

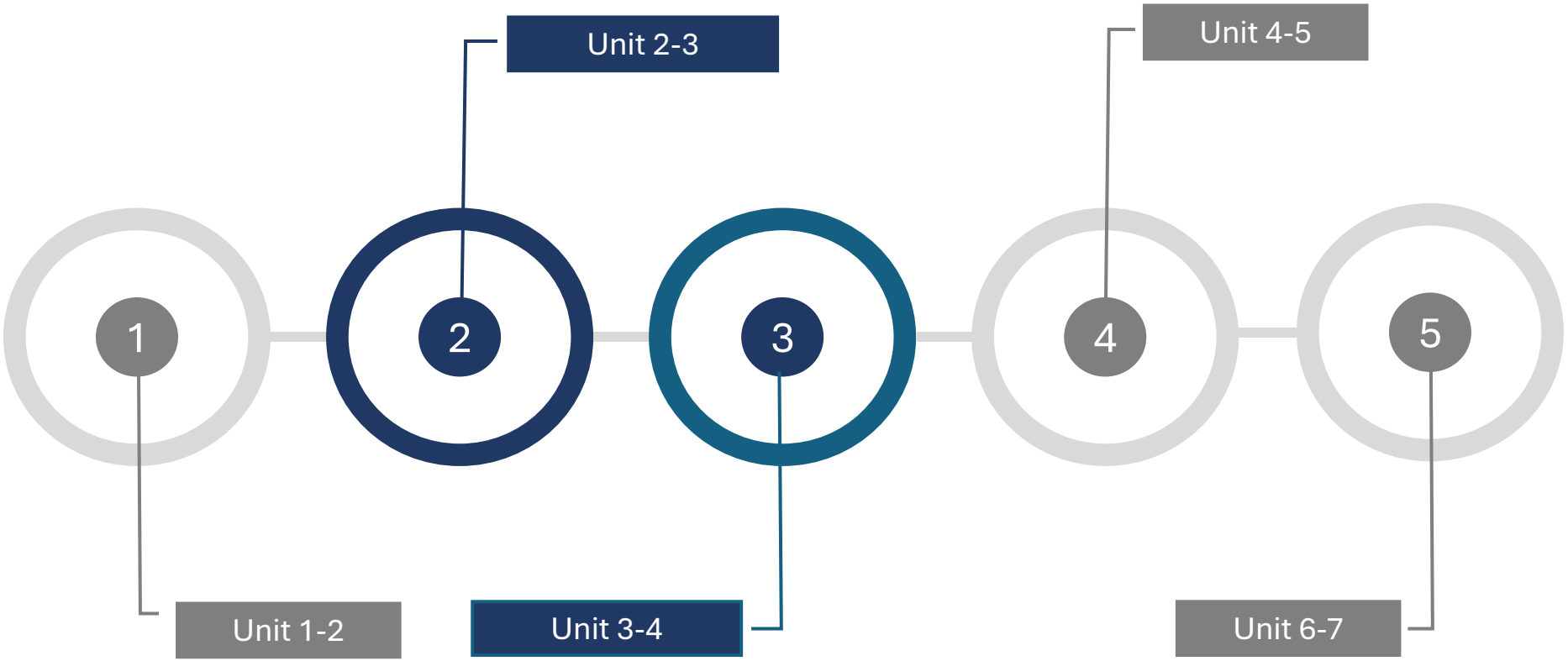
WePub Training for Operators

Unit 3

enav group

TRAINING SESSIONS

5 days



WePub Training for Operators

Unit 3

WePub structured content management

- WePub Integration with the AeroDB
- Mapping concept and utilization

WePub structured content management

WePub Integration with the AeroDB

WePub & AeroDB

Data collection for those sections which include data extracted from aeronautical database is based on templates. The system allows the possibility to freely customize the visualization of data in the final output, according with customer's needs and ICAO/Eurocontrol specifications.

The storage, management and insertion of data in the AeroDB is a crucial part for the AIP generation process.

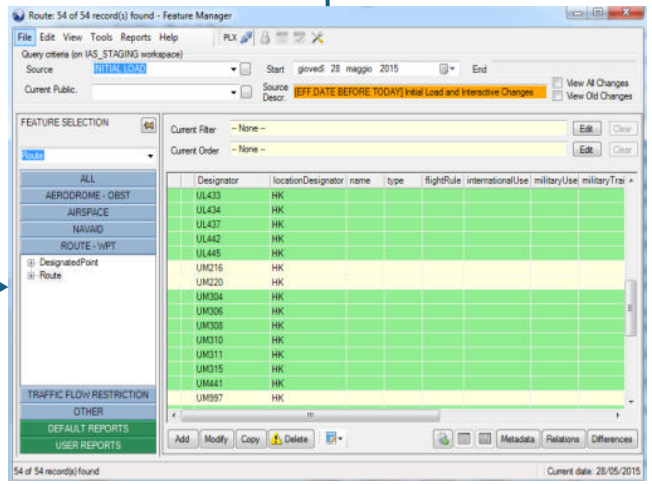
The software is directly linked to the database so that all the data stored in the AeroDB, which are collected by means of the extraction rules, may be displayed in the body of the sections where they are needed.

The data inserted in the database also can affect the structure of the publication in case of dynamic sections.

- For instance, AD 2 section shows each airport subsection according to how many airports are retrieved from the database, in accordance with the defined rules.

WePub & AeroDB

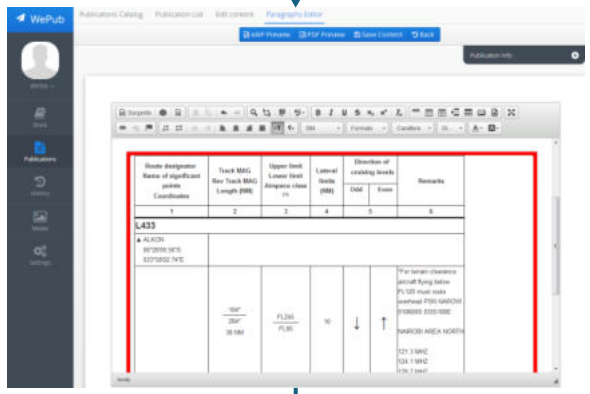
IDS AeroDB Suite



Relational DataBase Changes

Aeronautical Database

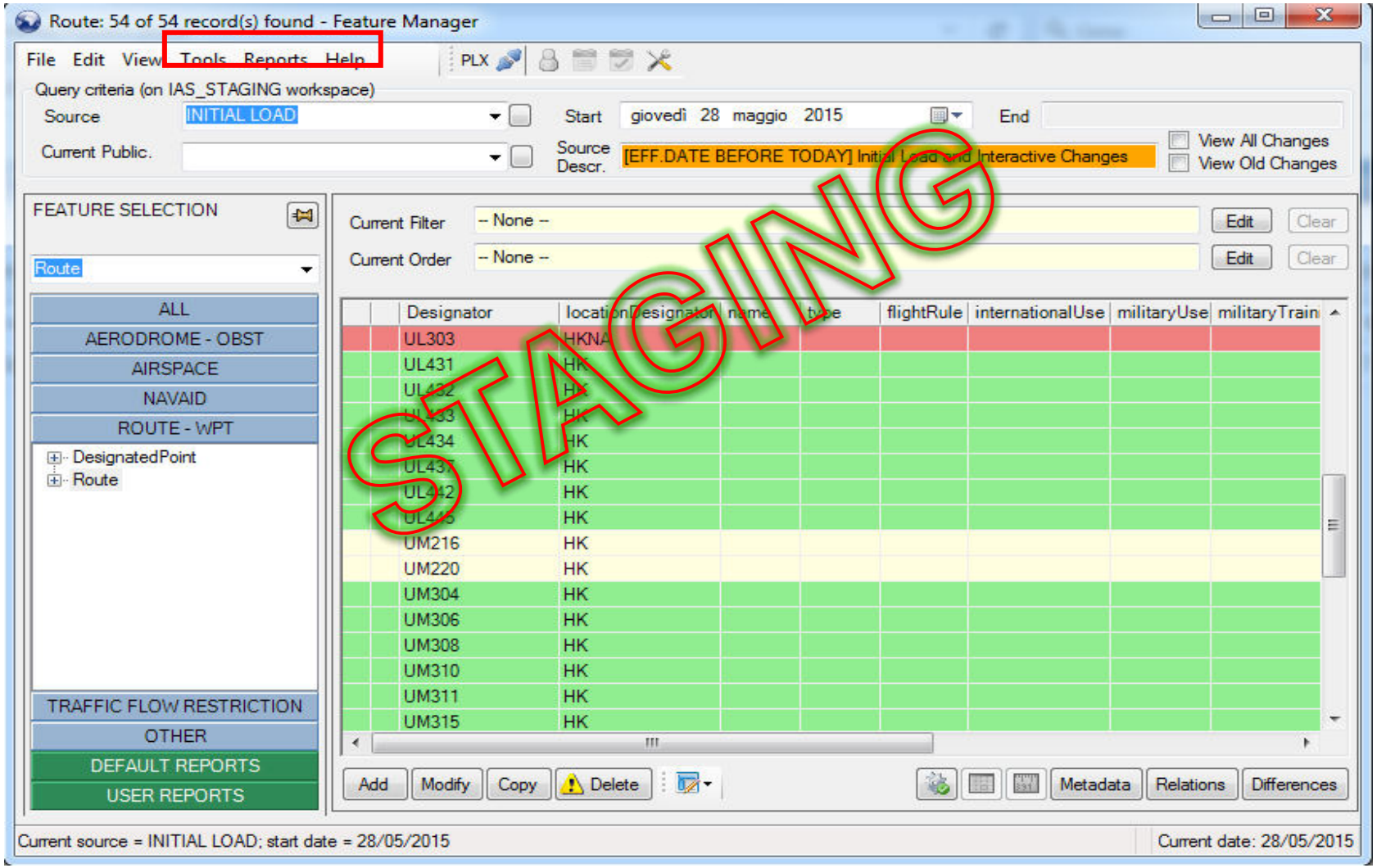
WePub



eAIP

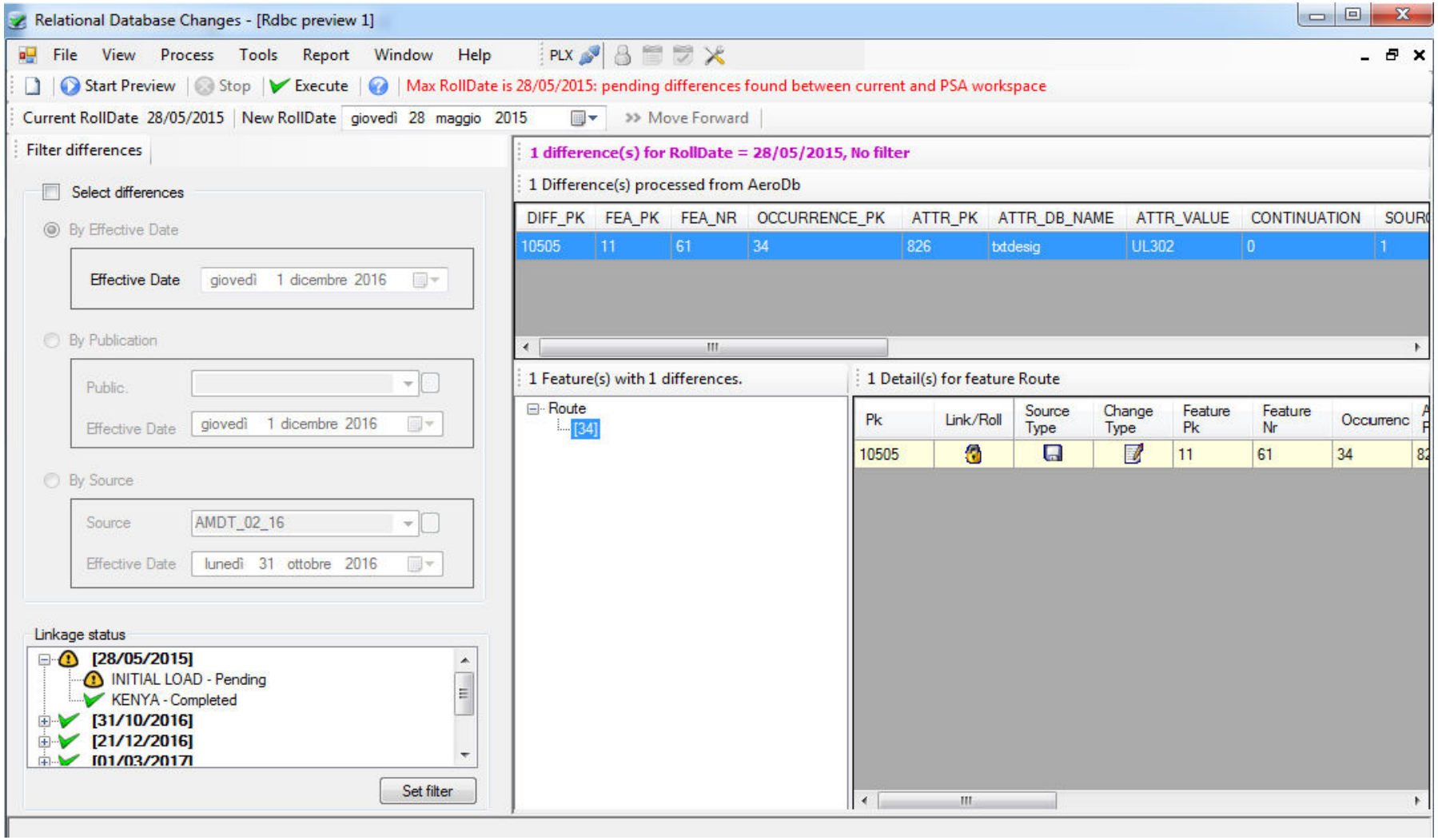
WePub integration with the AeroDB

When the user performs modifications on the features using «Feature Manager» Application, generally the workspace is «*IAS_STAGING*».



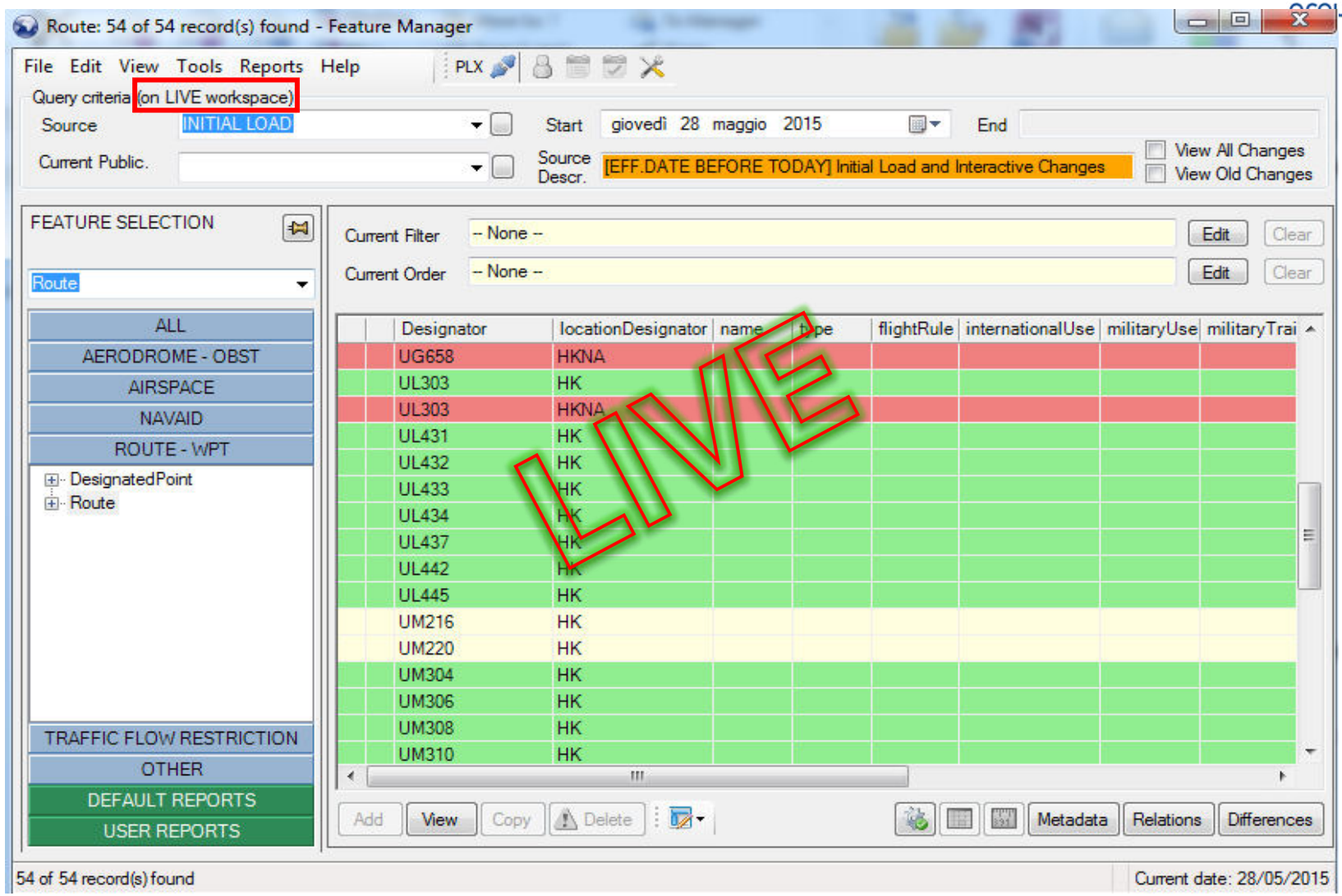
WePub integration with the AeroDB

When the data are validated, the user performs the «RDBC» (IAS application) to commit them on the «*LIVE*» status



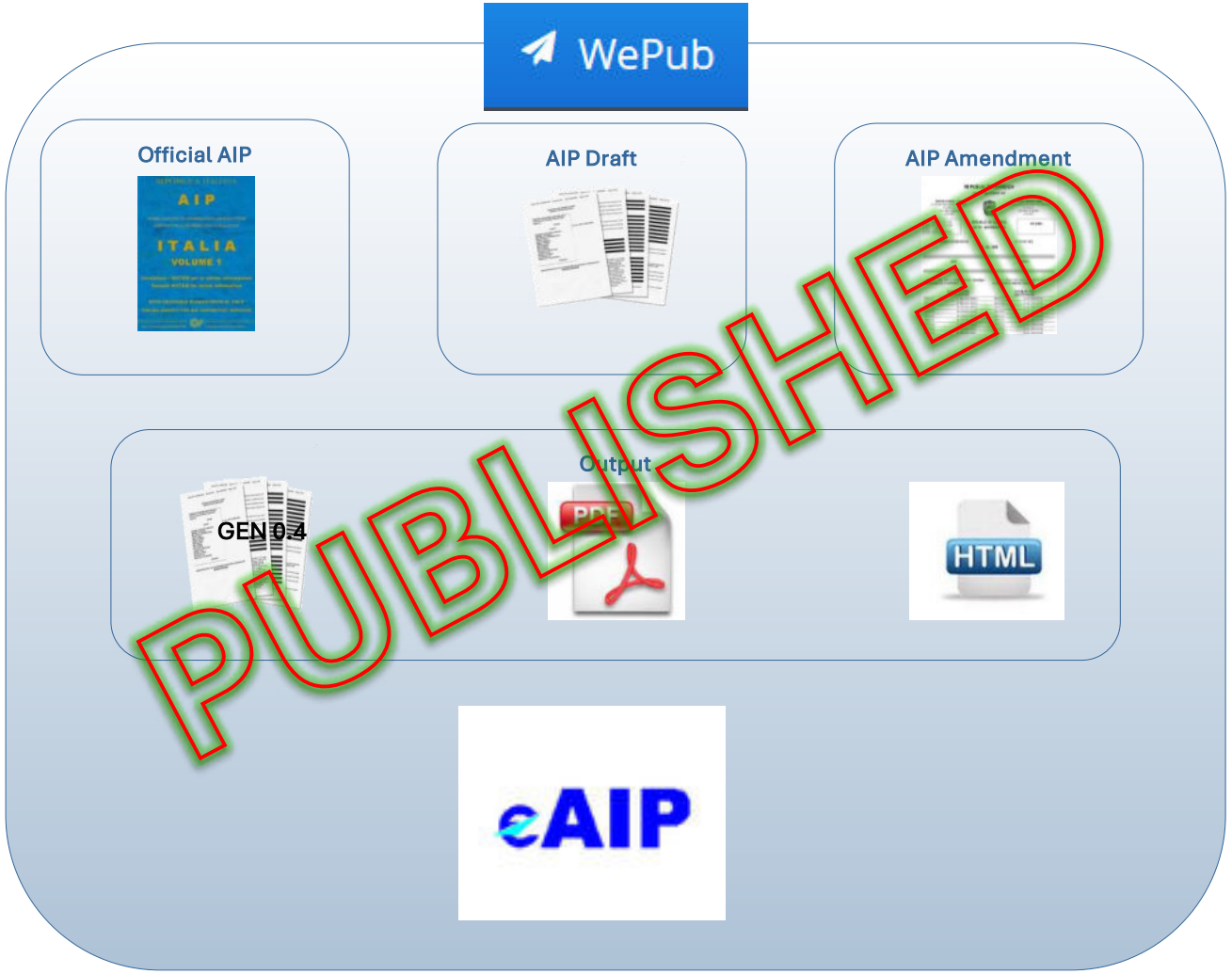
WePub integration with the AeroDB

The committed data are inspectable by opening «Feature Manager» in «LIVE» workspace.



WePub integration with the AeroDB

The committed data are then processed by WePub for being Published



Any Questions

Coffee break

Mapping concept and utilization

Mapping concept

It is possible to know in advance which data modify into the DataBase for having the desired output in publication by using the helpful document named «AeroDB Mapping».

It includes the guidelines for AeroDB modifications related to publications.

The mapping is established when defining templates since they are strictly related:
the configurator staff from IDS AirNav will report in the mapping document all the guidelines for inserting any single record to be printed in any structured section.
IDS AirNav offer a standard default configuration, defined in accordance with ICAO PANS AIM (Doc 10066) and Doc 8126. The customizations can be agreed with the customer.

The AeroDB mapping follows the AIP structure in order to give simple and immediate information to the users, who need to have at least a basic knowledge of the AeroDB structure

Mapping utilization

Reference section

ENR 4.4 NAME-CODE DESIGNATORS FOR SIGNIFICANT POINTS

The DESIGNATEDPOINT is displayed only if:

- DESIGNATEDPOINT type = 'ICAO' and
  - related to ENROUTESEGMENT or
  - DESIGNATEDPOINT textRemark is filled or
  - Is linked to the feature SIGNIFICANT POINT IN AIRSPACE and the AIRSPACE type is 'OTHER:FRA'

Section or table filters

Name-code Designator	*Coordinates*	*ATS Route or other route*	*Remarks*
1	*2*	*3*	*4*
DESIGNATEDPOINT Designator	DESIGNATEDPOINT Latitude Longitude	ROUTE Designator Populated automatically	DESIGNATEDPOINT textRemark + "/" + DESIGNATEDPOINT → SIGNIFICANT POINT IN AIRSPACE Remark *if the linked AIRSPACE type = 'OTHER:FRA'

Features link

Reference feature

Attributes to be populated

Template formatting visualization text

Mapping utilization

AIRPORTHELIPORT → Designator

AD 2.18 ATS COMMUNICATION FACILITIES

The service will be printed if the following relations are respected
AIRPORTHELIPORT → SERVICE ON AERODROME/HELIPORT → SERVICE → CALLSIGNDETAIL → CALLSIGN/FREQUENCY LINK → FREQUENCY

Service designation	Call sign	Frequency	SATVOICE	Logon address	Hours of operation	Remarks
1	2	3	4	5	6	7
SERVICE Name if not null Else type	CALLSIGNDETAIL callSign	FREQUENCY Frequency Transmission + frequency TransmissionUom	NIL WePub Content Part	NIL WePub Content Part	SERVICE Working hours + Working Hours Remarks *if Working Hours = 'TIMSH' create SERVICE OPERATIONAL STATUS operational Status = 'NORMAL' and then create TIMESHEET The correct relation is SERVICE → SERVICE OPERATIONAL STATUS → TIMESHEET	FREQUENCY textRemark

Template function

Table structure visualization

Cells editable on WePub

Exercise

Guided by the teacher: populate together any structured section of the AIP. (i.e., GEN 2.1; ENR 5.1; AD 2.5)

According to trainees' requests, populate any other section autonomously.

Utilize the mapping for populating the database and have a result into the publication:
Insert any information for populating GEN 2.5 section;
Insert any information for completing airport sections, such as services, callsigns, frequencies etc.

Any Questions

THANKS FOR YOUR ATTENTION