

InterFAB AIM Digitalisation

Belgian Military Airspace Redesign

by

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Current Situation

- Overall structure of the military training areas lacks consistency and structure.
- Airspace descriptions used in different systems (EAD, ATM systems, Lara, NM) are not consistent.
- Names and coded identifiers are not consistent.



New Concept: Basic Principles

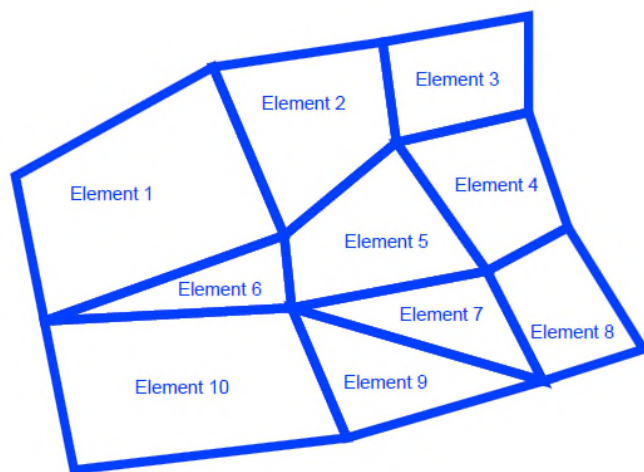
- All airspaces defined in EAD. All other systems must retrieve their data from EAD.
- Strict adherence to the ERNIP standards for the names and coded identifiers of all areas.
- Coded identifiers standardized to allow FABEC-wide application (or even wider).



New Concept: Airspace levels

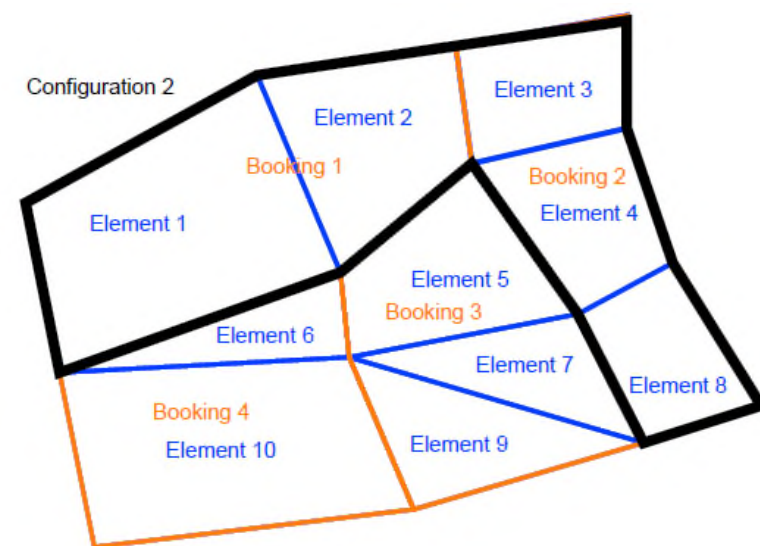
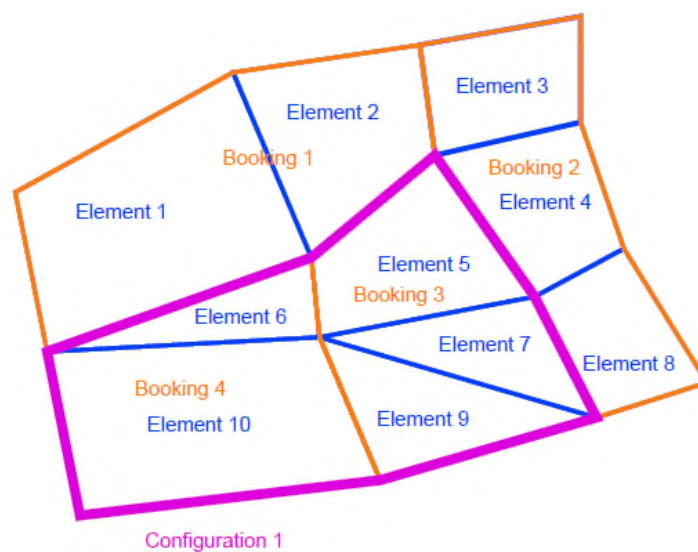
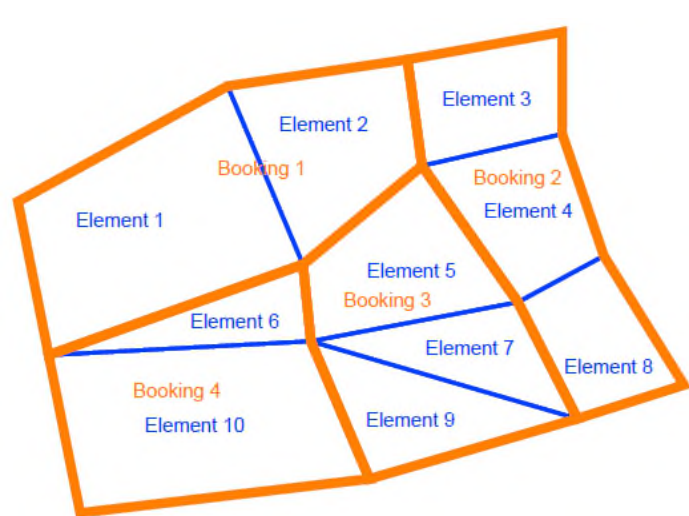
The airspace is organized at three levels, in order to facilitate adequate processing and use by all parties involved:

- **Elementary level**: basic building blocks in the EAD database, used to construct all areas at the other two levels



New Concept: Airspace levels

- Booking level: areas that are booked by the MIL airspace users
- Configuration level: airspace volumes used for AMC coordination



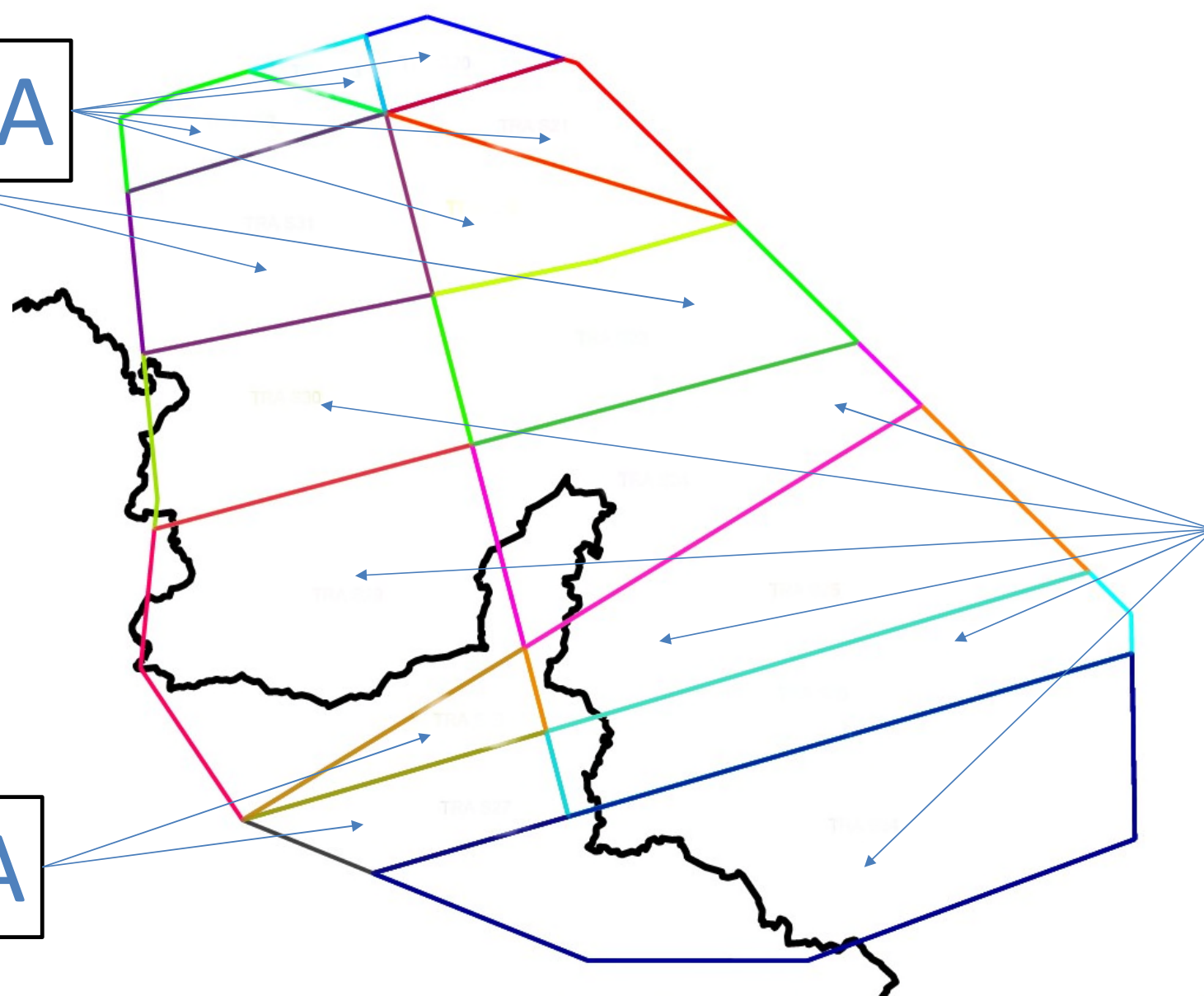
New Concept: Airspace Names

The names of the areas are based on basic ERNIP principles:

- TRA: an area with crossing restrictions for non-participating aircraft;
- TSA: an area exclusively reserved for participating aircraft;
- CBA: a TRA or TSA covering airspace of two or more adjacent states.



EB TRA



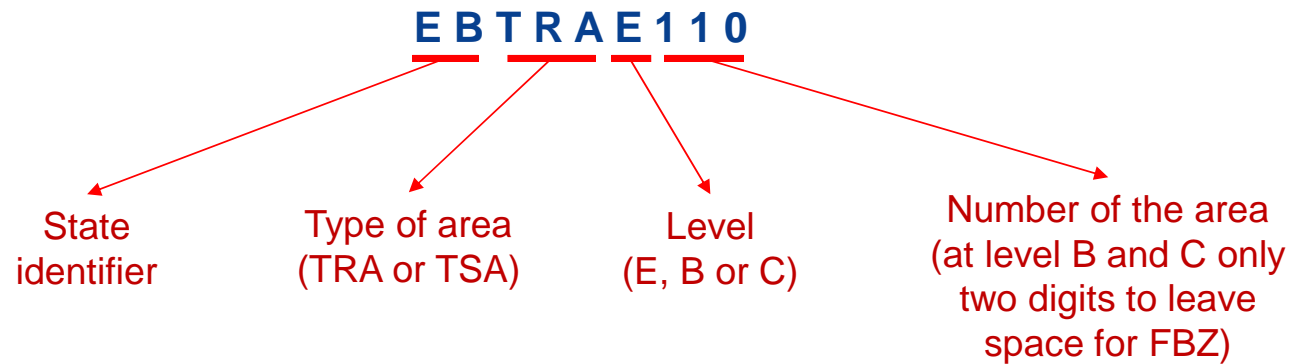
CBA

LF TRA

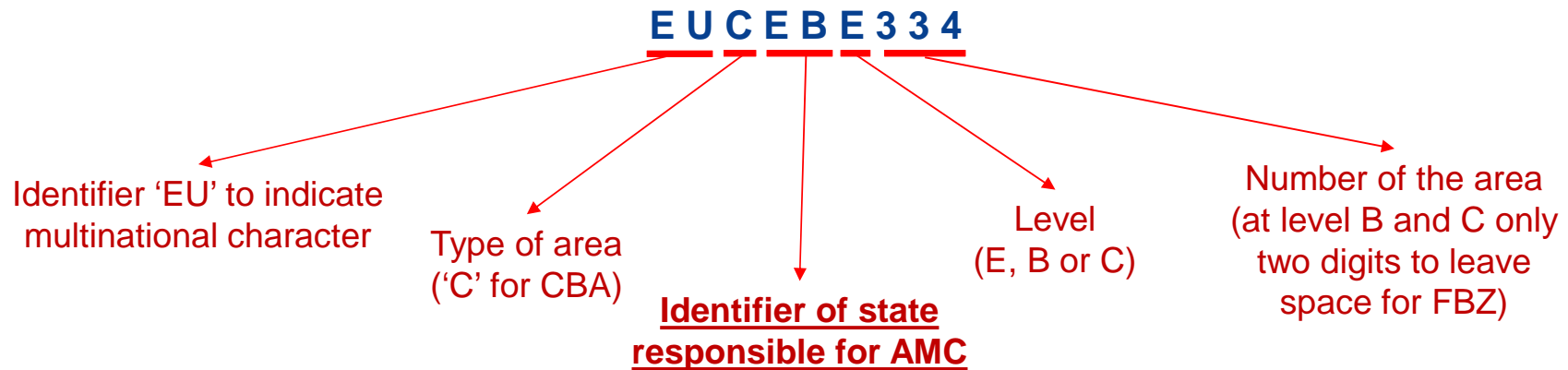


New Concept: Coded Identifiers

TRA and TSA:



CBA:



Cross-border Publication

As the Belgian military exercise areas are partly situated overhead France and the Netherlands, a harmonized publication of all areas by the three states is required.

In line with the cross-border airspace publication principles that are being developed by the FABEC AIM SG, it is proposed to publish as follows:

- In the AIP:
 - All TRA/TSA are published in ENR 5.2 of the state where the areas are situated. If the areas are used by another state, a reference is added in section ENR 2.2 of that state;
 - The full details of a CBA are published in ENR 5.2 by the state responsible for AMC. The other states publish the CBA also in ENR 5.2 but refer to the AMC-state for full details. (see also code identifier)
- In the EAD:
 - All TRA/TSA are published by the state where the areas are situated;
 - All CBA are published by the state responsible for AMC.



Harmonization Objectives

- **Cross-border exists also across FABs**
- **Standardization will enhance the understanding**
- **Fit with FBZ**
- **Already compliant with ERNIP**



