



Valsts aģentūra
“Civilās aviācijas aģentūra”

Riga CTR airspace assessment for drone operations

Ērika Neimane
Head of ANS Division, CAA
Erika.Neimane@caa.gov.lv

19th November, 2020.

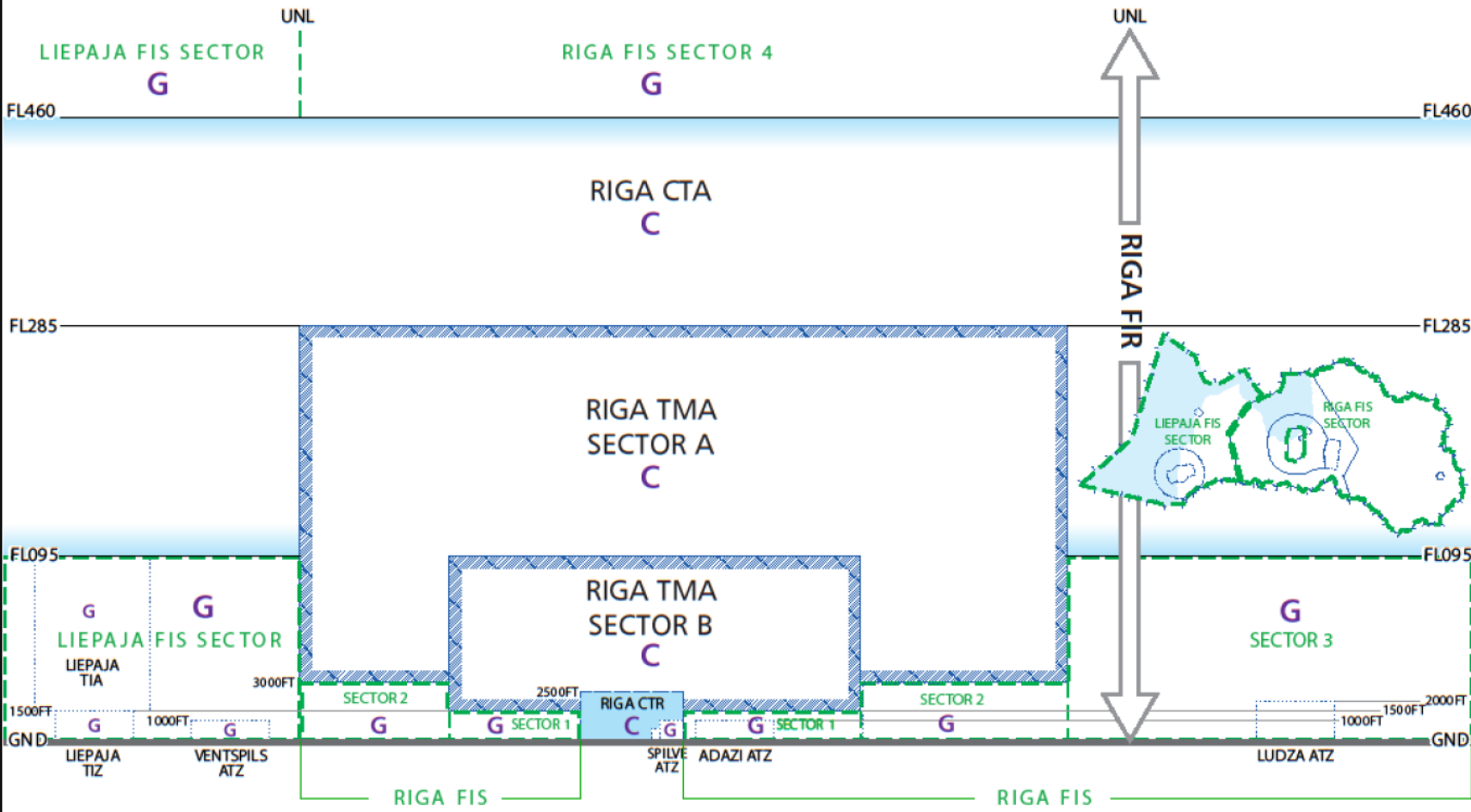


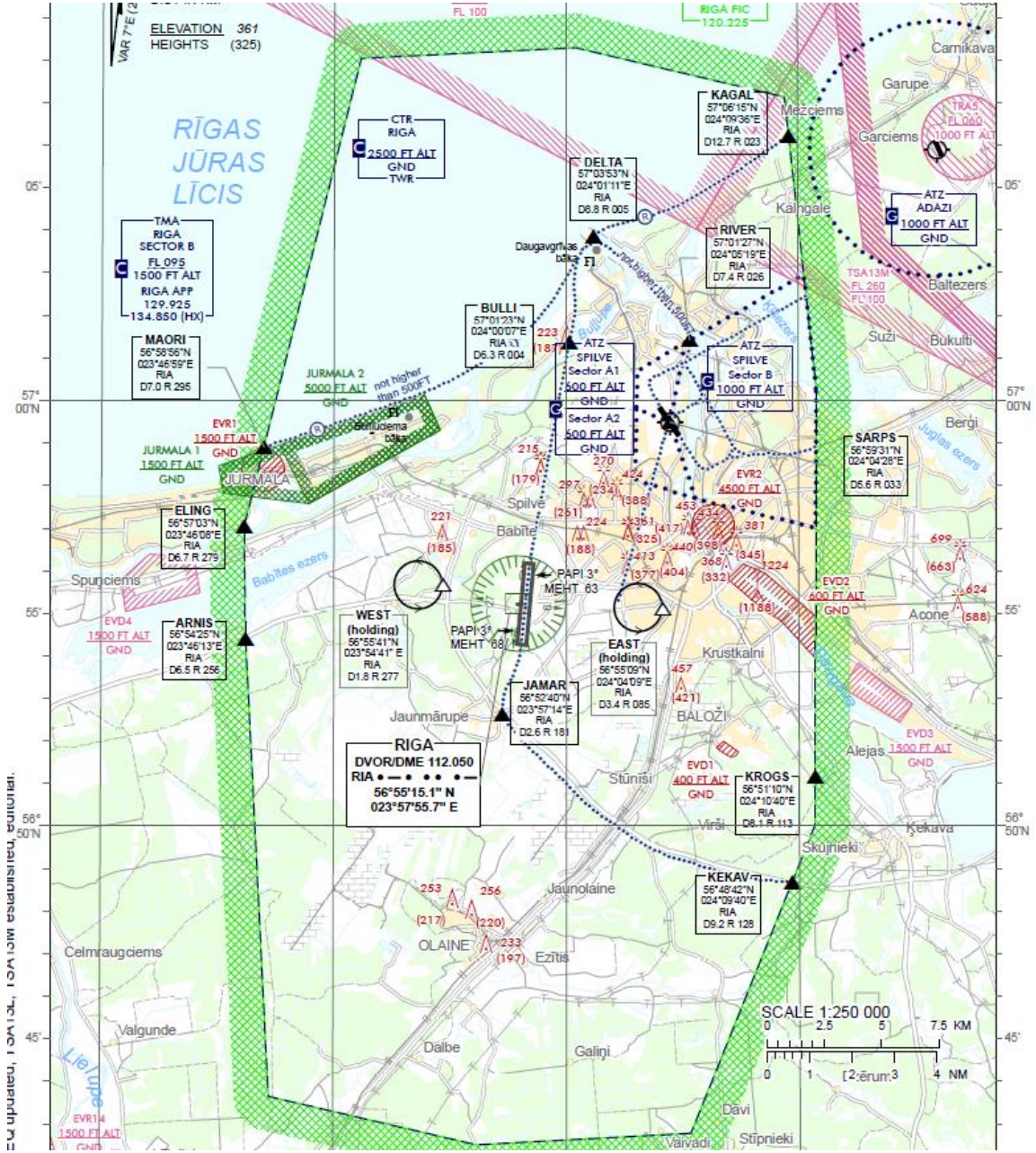
Valsts aģentūra
"Civilās aviācijas aģentūra"

Short overview

- Preparation in early 2019 along with Eurocontrol:
 - kick off meeting, identification of the goal,
 - development of the assessment methodology, provisional action plan and identification of the involved parties.
- CAA internal team:
Ērika Neimane, Anete Skuja, Ilmārs Ozols and Eižens Jēkabsons
- Eurocontrol support team:
Mike Lissone, Elīna Millere

ATS AIRSPACE CLASSIFICATION



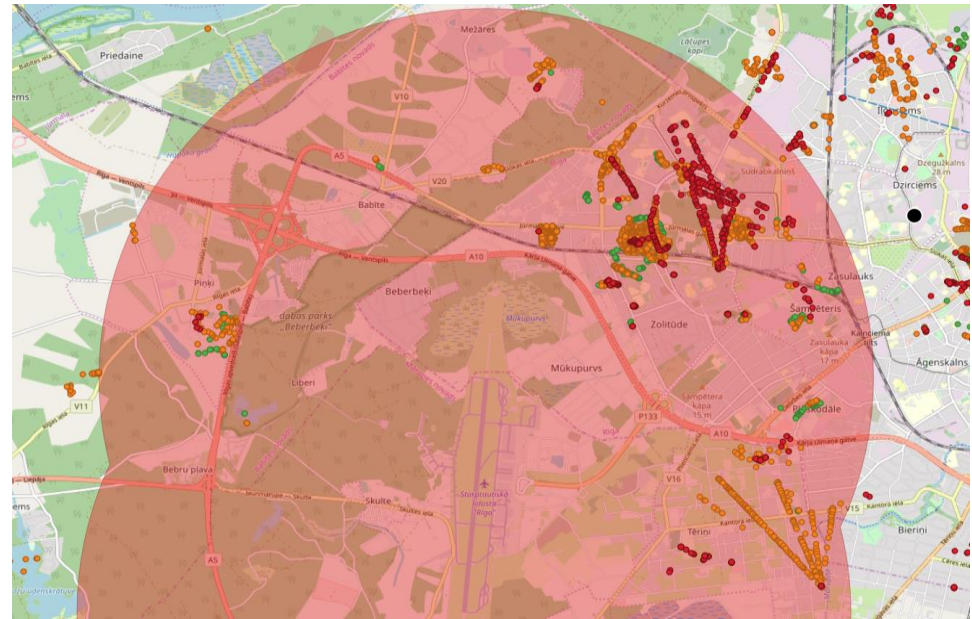


2014 updated, 1:250,000, 100% ICAO standard, uncontrolled.

Assessment, seeking for answers

- Interviews with airspace users, infrastructure and government representatives and reliable data gathering.
- Building of reference scenario to identify air and ground risks.
- Data analysis – identification of data gaps, dynamic data environment (continuous airspace and drone ops requirement changes, national regulatory changes).
- Presentation of the results to the involved parties.

Assessment, reality check





Valsts aģentūra
"Civilās aviācijas aģentūra"

Results

- A set of rules have been developed for Manned aviation flights - Visual Flight Rules (VFR) and Instrument Flight Rules (IFR) - neither fits for UAS operations and for UAS new flight regime comparable to VFR/IFR must be developed;
- ATM and ANS is still not regulated enough to mitigate all the risks that are accompanied within the UAS operation in controlled airspace;
- Integration of UAS in urban environment;
- Technological adaptation of UAS operations.
- Integration of UA performing state designated functions like fire fighting and rescue operations etc.
- In order to apply SORA, it is important to ensure that the airspace user and the authorities use the same dynamic and static data. As SORA methodology requires large amount of comprehensive data analysis it is necessary to use automation for this data analyses.



Valsts aģentūra
"Civilās aviācijas aģentūra"

Next Steps

- Next steps – lessons learned to be transferred to the national regulations as far as possible and practical, new flight rules for drones, development of and implementation of new coordination and decision making mechanisms in order to address ground risks.
- Continuation of dialogue with the involved parties – practical challenges in delivering appropriate airspace information to all airspace users.



Valsts aģentūra
"Civilās aviācijas aģentūra"

?Q?



Ērika Neimane
Head of ANS Division, CAA of Latvia
Erika.Neimane@caa.gov.lv

19. 11. 2020.

Rīga