WEB GIS Collector

Agency for Electronic Communications
Zoran Aleksov

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AGENDA

• Legal Base
• WEB GIS Collector
• Benefits
Legal base

• Rulebook on the manner of construction of public electronic communications networks and accompanying assets, Official Gazette of the Republic of Macedonia, no. 170 from 7.9.2016, Article 29-a:
  – Operator shall within 30 days from the day of commencement of the use of the public electronic communications network, submit to the Agency a written notification with a geodetic report for the built status of an infrastructure object in shp or dxf format, as well as a short technical description of the electronic communications network and accompanying assets with a minimum set of data according to the type of electronic communication network and associated assets, in a spreadsheet format (xls, csv, xlsx).

• Guidelines for submitting data for newly built electronic communications network and accompanying assets
WEB GIS Collector

• Project Implemented in 2017
  – Provides full electronic data delivery for newly built electronic communications networks and associated facilities (ECNAF)
  – Automatically verify the correctness and completeness of the submitted data, in accordance with the Rules for submitting data for ECNAF.
  – Three User Roles – geodetic company, operator of ECNAF, employees of AEC
Electronic data delivery

– The system uses the same gml files that the geodetic companies prepare for enrollment in AREC
– Gml files are complemented by mandatory attribute data according to the Rulebook
– After the validation, first of all from the operator of ECNAF, and then by the AEC, the data from a temporary base is transferred to the production base of the AEC.
– Integrated with SSO of e-agencija.aek.mk
– Accessible through SPI portal
WEB GIS Collector – initial screen
User Roles

- Geodetic company
- Operator of ECNAF
- Employees of AEC
Geodetic Company ...
Creates a new project
Associates spatial and attribute data
Submits to the operator of ECNAF
Operator of ECNAF...
Operator of ECNAF...

- Controls the submitted projects
- Returns remarks to a geodetic company
- Forwards correct projects to AEC
QA & QC module ...
QA & QC module ...

- Checks the validity of the submitted data
- Performs topological check of graphic data
Employee of AEC ...

- Controls the submitted projects
- Returns remarks to the ECNAF operator
- Approves valid projects
Employee of AEC ...

- Can download graphical data
- Can download xls documents with attribute data
- Can view content of log files on the system
Integration with SPI ...
Benefits

• Full automation of the data delivery process for newly built ECNAF
• Utilization of already prepared elaborates for enrollment of ECNAF in AREC - without additional obligations for operators
• Encouraging the joint construction and use of public electronic communications networks and associated facilities
• Protection of the infrastructure of the built public electronic communications networks
• Improving the utilization of the capacities of public electronic communications networks
Mapping of ECN built with public funds

- MEPSO
- ELEM
- MRD
- MARNET
- MZ
Mapping of broadband coverage ... 

- White zones 
- Grey zones 
- Existing BB coverage 
- Planned BB coverage 

(Still in progress ... )
Thank you for your attention!

Zoran Aleksov
Agency for Electronic Communications
phone : +389 78 236 749
e-mail: zoran.aleksov@aec.mk