

# Agency for Electronic Communications – Number Portability

**Client:** Agency for Electronic Communications

AEC creates and controls the conditions for an effective and a sustainable competition on the electronic communications market.

**Country:** Republic of Macedonia

**Industry:** Public sector

**Business challenge:** The common need of all users of the mobile and fixed line networks is to be able to keep the same telephone number when switching to other operators. Following a set of strict guidelines and procedures, developed by the Agency for Electronic Communication, Seavus has made the Number Portability system able to answer all the demands of network operators in Macedonia. The system can handle each request sent by the current operators, and has the basis set for answering future system expansions.

**Solution:** Number Portability

**Seavus** has developed a Number Portability (NP) solution that can cater to the Agency for Electronic Communications immediate requirements for Mobile and Fixed Line Networks as well as provide a realistic approach for future expansions/upgrades. It is offered

**Benefits:**

The overall solution ensures a centralized national Number Portability database (Central Data Base) and centralized Number Portability administration with open interface benefits.



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latest state of the art equipment, aimed at providing an optimized solution to meet the Agency's requirements.

The solution is a complete system including Number Portability Database and Number Portability Provisioning and Management.

The solution includes the following network elements:

- BEA WebLogic Server
- Centralized Number Portability Database (Central Data Base, CDB)
- Number Portability Administrative Center
- Port Management System Application
- LDB (Local Database)

***Technologies utilized:*** The system was built on Java technology, utilizing SOAP, SSL and HTTPS protocol, and MySQL for data storage.

