

Increasing spectrum demand and migration to technology neutral licenses are changing more and more the tasks and duties of regulators all over the world. Frequencies and whole spectrum blocks shall be granted for arbitrary technology. Therefore methods to overcome technology blocking are needed. Better analysis and measurement coverage may also be required. Additionally spectrum trading and secondary usage of frequencies may also cause headache to spectrum managers and add complexity. White space handling on different levels is mandatory for secondary usage of frequencies. Thus, this requires more complex and advanced spectrum management systems. The presentation covers the issues above, gives a point of the state of the art in spectrum management and summarise the latest technologies in detecting white spaces and cognitive radio. Finally, different solutions to solve the new tasks are given to the audience. Such systems are currently under development. A layout of a spectrum management system of the future is given.