ELECTRIC ENERGY SYSTEMS IN REGION – CHALLENGES UP TO 2030

SHORT CONCLUSIONS

The main goal of the session was to present electric energy systems of all counties in SEERC region, their present state of the system, plans for future development and main challenges which will be the driving force for the future electric energy systems.

Eight out of fourteen CIGRE NC presented their national electric energy systems. The common characteristic of all counties is that they are interconnected in the same European synchronous electric energy system (except Ukraine). Their present situation is based on geographical position, economic situation and historical development of the system.

It is common for all members that they will further invest into RES and developing the products and services to integrate them into the electric grid. Future challenges will be overcome by new technologies, which enables to make systems become more flexible and resilient, (such as new inland and submarine cable connections in AC and DC technology, voltage profile control with different technological solutions, new generation of OH HV lines, storage solutions….) All countries presented fast development of Smart Grid Solutions, which will enable to operate more efficiently with the existing assets and to integrate more efficiently new production facilities into the system. All countries also underline further development of market solutions to enable easier trading and to brig consumer's better services.