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FACULTY OF ECONOMICS

DIPLOMA PROJECT

**MANAGEMENT OF OPERATIONS AND FUNCTION OF THE
ELECTRO ENERGY DISTRIBUTOR NETWORK IN MONTENEGRO**

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CONCLUSIONS

Based on all the theoretical data processed during the work of “Management of operations and function of the electric distributor network”, conclusions from this are: the most essential factors which have a big impact on the appearance of damages in the electric distributor network. According to the analysis of the secondary and primary research, we can conclude that the “Amortization of the electric distributor network” has the biggest impact on all the levels of tensions. As a result of this, there are damages and they influence the increase of technical loss and commercial energy.

- Conditioned by amortization, the big impact comes from climate conditions that dominate in the defined periods of time, as in the physical aspect, also in the technical aspect.
- The physical impact is created by climate conditions respectively winds, which cause damages of the overhead transmission lines of medium and low tension, fracture of amortized poles etc.
- Impact of climate conditions in the technical aspect, is manifested in defined periods of time when temperatures are low in winter. Impact comes through the increase of electric energy consumption for heating. As a result of this there are overloads in the electric distributor network, and because of amortization, it loses the technical stability, therefore there are damages in different network parts which make it difficult for functioning, and for repairing they request big engagement of resources, technical, human and professional material.
- A direct impact in the appearance of damages in the electric distributor network, according to the collected results during the research and study, there is shown that the consumption without criteria and use of energy illegally has the type of direct impact in damage.
- Access of costumers in the distributor network without compliance, consumption of electric energy which doesn't get registered in electric meters, establishment of illegal networks are technical criteria, all of these cause extra unplanned overloads by the network, and as a consequence there are problems in different parts of network.

In case of stumbles of plans or appeared obstacles in the hierarchy of chains of implementation until the end of operations, will bring the issue of malfunction of processes and concluded results won't be in the appropriate level. Abnormalities of the scheme are manifested when an employer has two (2) hierarchies where they have to take the obligations and give responsibility, and as a result of this we come to the failure.

“The organizational scheme”, must be set in such position that it isn't allowed do act without its compliance, which isn't directly included in the problems of the electric distributor network, but keeps all the mechanisms that the electric distributor network itself should've had.

- Always in the bases of research results, it can be said that the Management of operations in the electric distributor network must be focused in the enhancement of the staff, because there's a lack of the professional staff with the right experience. This is achieved through advanced coaching and specializations abroad.
- Focus of management has to be concentrated in finding the way for financing and repairing the electric distributor network and establishment of new networks with new standards and technology. Privatization of the distributor network, will make fundamental changes in the function of energetic network through investments.
- "Mechanism of control" is a systems of operations' processes in function and maintenance of the electric distributor network, but to be used there are needed many applications of "TI", in order that Management has access in many data, where through it there would be identified the points where there's a need of change in network.
- Changes that have to be done in the Management of Operations in the electric distributor network have to be essential and based on analysis of researches.

The management must process detailed plans where they must foresee and decide all the elements of a plan and be based on real data of the function state of the distributor network.

Criteria of award or punishment must be based on rules and law of work. These rules must be motivational for each employer.

Implementation of new technologies, which would help the Management of Operations in the function of the electric distributor network in the appropriate level, shows that they use a certain number, but a part is still in the elementary phase of implementation. But through the research during the interview, it results that we need more investments in new technologies that are with European standards. From the Management, in this direction it's expected to get experience from developed countries and implement the latest technologies that deal with the electric distributor network. With advanced technologies, the management results will be better and based on European standards.

Help of costumers in the reduction of problems in the electric distributor network can be multilayered. First they must respect the contract points, that linked it with the energetic system. Then to use the quantity of energy that they can pay etc.