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12/14/13
Transmission Systems

Engineering Ethics

Engineering ethics analyze and explore the decision related to engineering in order to set codes of conduct which serve as guide lines for the engineers when comforting decisions. These ethical decision are based on the obligation that an engineer has toward the society, the client, the profession and the employer. Engineers have deferent code of conduct depending on the professional aggrupation s/he is belong to. The most known engineering aggrupation are IEEE, NSPE, ASME, ASCE, etc. Even though the code of conduct might lightly vary from one association to other, all of them are intended to ensure the safety, health, welfare of the public, and the protection of the environment. Those factor can be easier achieve if some factor are taken in consideration when practicing the engineering profession. These factors can be but not limited to: 1) take task to which the engineer is qualified to perform, 2) offer honest criticism of technical procedures, 3) do not discriminate people based on race, religion, gender, age, nationality or disability, 4) work in teams, 5) give credits to others, 6) avoiding conflict of interest, etc.

When one or more of the above indication is violated, the action can be considered unethical. Therefore, the engineer will not accomplish the responsibility that s/he

has with one or more of the agent such as society, the client, the profession and the employer.