*Cyber-security …draft by Mike Cesino*

*The preservation of confidentiality, integrity and availability of information, assets, and processes that support and enable its acquisition, storage, use, protection and disposal in order to prevent compromise (loss, disclosure, corruption, etc.)*

*Level 1: Has no plan or action in place to prevent compromise resulting in loss, disclosure or corruption of information, assets and processes.*

*Level 2. Performs periodic backup of information, assets and processes. Has a commercial grade level protection program in place. Has a firewall between company servers where information, assets and processes are stored inside the firewall and interfaces to external processes.*

*Level 3.* Access to physical and logical assets and associated facilities is limited to authorized users, processes, and devices, and is managed consistent with the assessed risk of unauthorized access to authorized activities and transactions. Information and records (data) are managed consistent with the organization’s risk strategy to protect the confidentiality, integrity, and availability of information.

*Level 4. All company information, assets and processes as well as customer digital data, whether stored on premise or in the cloud is protected via client-side authentication, server-side encryption and network traffic protection.* The organization’s personnel and partners are provided cybersecurity awareness education and are trained to perform their cybersecurity-related duties and responsibilities consistent with related policies, procedures, and agreements.

*Level 5.* Security policies (that address purpose, scope, roles, responsibilities, management commitment, and coordination among organizational entities), processes, and procedures are maintained and used to manage protection of information systems and assets. *Deploys a system to ensure action is taken and the right people in the organization are notified about a security breach or related issue, the problem can be identified and resolved quickly and efficiently.*