

Question 2.7 What is the proper approach to implementation of cyber security management technologies and procedures in the operational environment?

Majority of the attacks are taken place from source/ man in the middle. In order to avoid that attacks just adding a bit parity / encryption to the measurement vector can either get data or zero/ null data but not any false data be reported.

Classifying the zero/ null vector with respect to outage is done by existing methods like (KCL check @ every bus) or state estimation techniques.

Further, if one or more measurement vector went corrupt (reported null values), then AI based method helps and results better estimation value than any others due to its capacity of understanding non linear relationship between multiple measurement vectors.