Who and What Equals How I’m Closing my Gaps

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Abstract

Following a layer of protection analysis (LOPA), numerous recommendations and proposals are identified to close gaps associated with process safety performance. This paper explores a methodology created to allocate the targeted risk reduction factor (RRF) between different types of work and stakeholders. The fundamental concepts are creating actions with lower scenario target RRF or decreasing the probability of failure on demand (PFD) of the protection layers to account for portions of the target while also calculating a % Impact to compare dissimilar mitigation strategies. By slicing the data by types of work and stakeholders, analysts can see what is closing the most gaps, validating applied credits with technical authorities, and communicating across stakeholders to ensure investments are of the correct magnitude throughout the lifecycle of the safety initiatives.

What is closing gaps = who is the stakeholder and how is the collection of mitigation strategies