

## 6/e Elements of CRE

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The purpose of this tutorial is to get familiarized with commonly used acronyms in various *Incident Investigation* reports. Below is a list of acronyms which will be encountered frequently.

TABLE 11-4 ACRONYMS

<b>Acronym</b>	<b>Meaning</b>	<b>Link</b>
AIChE	American Institute of Chemical Engineers	<a href="#">Link</a>
API	American Petroleum Institute	<a href="#">Link</a>
BLEVE	Boiling Liquid Expanding Vapor Explosion	<a href="#">Link</a>
CCPS	Center for Chemical Process Safety	<a href="#">Link</a>
CSB	U.S. Chemical Safety and Hazard Investigation Board	<a href="#">Link</a>
DCS	Distributed Control System	<a href="#">Link</a>
EPA	Environmental Protection Agency	<a href="#">Link</a>
HAZOP	Hazard and Operability Study	<a href="#">Link</a>
HSE	Health, Safety & Environment	<a href="#">Link</a>
LOPA	Layer of Protection Analysis	<a href="#">Link</a>
MOC	Management of Change	<a href="#">Link</a>
MSDS	Material Safety Data Sheet	<a href="#">Link</a>
NFPA	National Fire Protection Association	<a href="#">Link</a>
OSHA	Occupational Safety and Health Administration	<a href="#">Link</a>
PPE	Personal Protective Equipment	<a href="#">Link</a>
P & IDs	Piping and Instrumentation Diagrams	<a href="#">Link</a>
PSSR	Pre-Startup Safety Review	<a href="#">Link</a>
PRV'S	Pressure Relief Valves	<a href="#">Link</a>
PHA	Process Hazard Analysis	<a href="#">Link</a>
PSM	Process Safety Management	<a href="#">Link</a>
RMP	Risk Management Program	<a href="#">Link</a>
SIL	Safety Integrity Levels	<a href="#">Link</a>
SOPs	Standard Operating Procedures	<a href="#">Link</a>