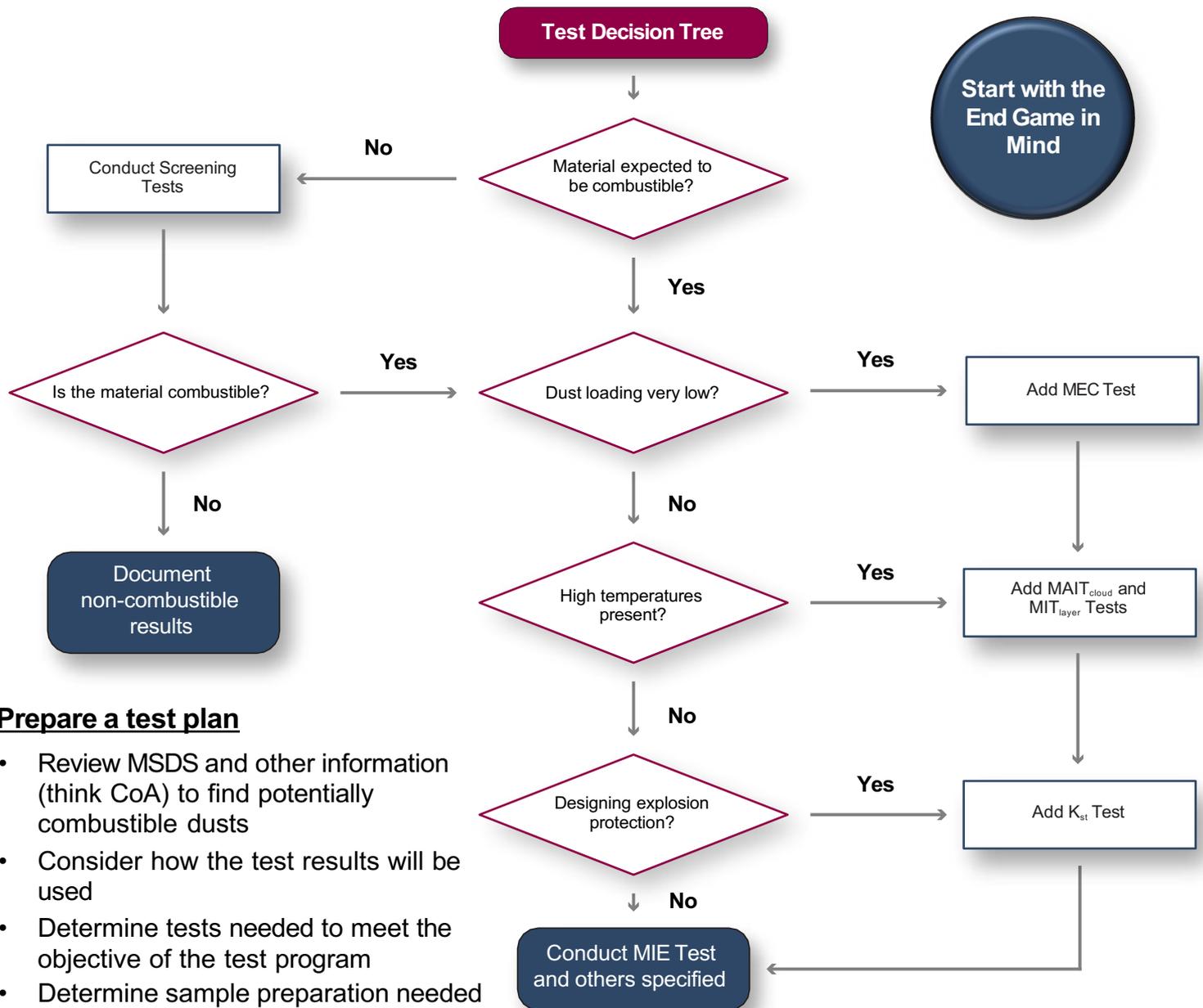


Which Dust Tests Do I Need?

Implementing a risk-based combustible dust testing strategy reduces costs and focuses resources.



Prepare a test plan

- Review MSDS and other information (think CoA) to find potentially combustible dusts
- Consider how the test results will be used
- Determine tests needed to meet the objective of the test program
- Determine sample preparation needed
- Document test plan
- Explain to management the importance of test plan

Severity of Incident

Explosion Severity (P_{max} , dP/dt , K_{st})

Minimum Explosible Concentration (MEC)

Sensitivity to Ignition

Minimum Ignition Energy (MIE)

Minimum auto-ignition Temperature, cloud (MAIT_{cloud})

Minimum auto-ignition Temperature, layer (MIT_{layer})

Limiting Oxygen Concentration (LOC)

Sigma-HSE offers a broad range of combustible tests to meet your business' needs. For more information or help in developing your own company's sampling and test plan, please reach out to connect with our experts today.