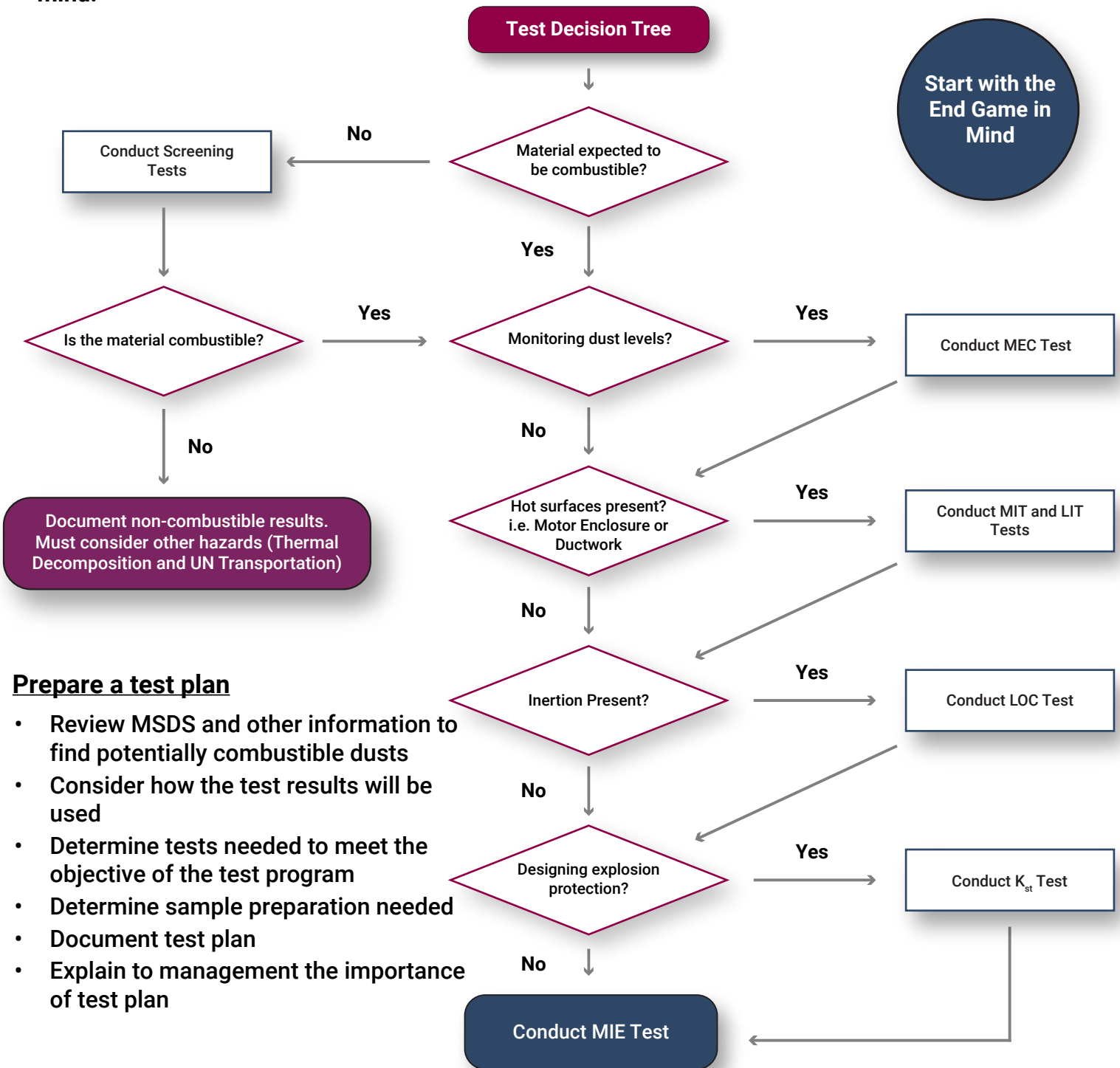


Which Combustible Dust Tests Do I Need?

Implementing a risk-based dust combustibility testing strategy reduces costs and provides peace of mind.

Start with the End Game in Mind



Prepare a test plan

- Review MSDS and other information 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)
- Limiting Oxygen Concentration (LOC)

Sensitivity to Ignition

- Minimum Ignition Energy (MIE)
- Minimum Ignition Temperature (MIT)
- Layer Ignition Temperature (LIT)

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.