Over the past decade, the CSRA and its partners have developed a substantial body of SIF prevention research and practical guidance. To help organizations assess their progress and navigate their SIF prevention journey, the CSRA launched its first Research-to-Practice initiative. The result is this SIF Prevention Roadmap.

The organizations that helped create this Roadmap did not have a Roadmap of their own. It was built from their experiences, setbacks, and successes to help make the journey clearer for all other organizations of different sizes and disciplines.



What Is It?

THE ROADMAP IS...

- A consolidation of decades of SIF prevention research
- Grounded in leading industry practices
- A self-assessment and continuous improvement tool
- Scalable across business units, divisions, and entire enterprises
- A pathway to additional tools, resources, and guidance
- Designed to evolve as SIF prevention knowledge and practice advance

THE ROADMAP IS NOT...

- A scoring or ranking system
- A compliance or box-checking exercise
- A prescriptive, single-path approach
- A maturity model that dictates where you should be
- A replacement for organizational expertise and judgment
- A static document
- Intended only for large organizations or specific industries

Tips for Success

- Be honest and objective in your assessment
- Evaluate today's reality, not tomorrow's goals
- Focus on progress, not perfection
- Remember that this journey takes years, not months
- Sustainable improvement is more valuable than quick wins
- Expect some concepts to require multiple touchpoints
- Use the Roadmap as a guide for learning and improvement, not scoring

To Learn More

Ready to take the next step? Visit the CSRA website to access the digital SIF Prevention Roadmap and explore our newest resources, including the SIF Prevention Assessment Tool (SIF-PAT) and advanced Search Tool.





SIF Prevention Roadmap

CSRA CONSTRUCTION SAFETY RESEARCH ALLIANCE

SIF Prevention Roadmap

Awareness Phase

Controls Phase

Integration Phase

Measurement & Learning Phase

Why SIF Prevention

What is SIF?

Energy Wheel

High-Energy / STKY

Controls

Energy Controls (3Ts)

Direct Controls

Alternative Controls

Hierarchy of Energy Controls

SIF Precursors

High-Quality PJSB

High-Quality Safety Observations

High-Quality Leadership Engagements

Safety Classification and Learning (SCL) Model

High-Energy Control Assessment

Learning

High-Quality Incident Info from Interviews

Learning Teams

Alternative Metrics

SIF Rates

Leadership Engagements Scorecard

Severity-Based Lagging Indicators

Pre-Job Quality Scorecard

Safety Observation Scorecard

Invalidity of TRIR

Declutter Safety

Declutter Safety

Declutter Safety

Declutter Safety