

Serious injury and fatality (SIF) hazard review form

Serious injuries and fatalities are caused by high-risk situations. The hazards listed below are called The Fatal 10 because they have a high degree of risk, especially when paired with "red-flag" situations, such as:

- Nonroutine work
- Stressors - physical, environmental
- Fatigue
- Production pressures
- Inadequate supervision and follow-through
- Working alone
- Inadequate operating procedures, training and follow-up
- Poor equipment or task design
- New employees
- Lack of engineering controls

These high-risk scenarios call for an elevated focus to make sure effective prevention measures are in place. This list can be used as a place to start identifying where you have operations on the fatal 10 list and where they pair with red-flag situations. It does not include every scenario that can cause a SIF.

Because employees who do these tasks are most at risk, they should have an active role in completing risk assessments and developing safety policies and procedures. Open and honest discussions, free from retaliation, are critical to identifying issues. For specific definitions of The Fatal 10 and red-flag situations, refer to the SIF definition sheet.

The Fatal 10	Conversation with employees	Notes on required actions
Vehicle/equipment operations 	Where do we use vehicles? Where can employees get seriously injured?/Where can fatalities happen? What hazardous work is being done beyond our policies and procedures? When do vehicles and equipment operations combine with red-flag situations in our organization? What preventive measures are in place? Are the preventive measures enough?	
Working at heights 	Where do employees work at heights over four feet? Where can employees get seriously injured?/Where can fatalities happen? What hazardous work is being done outside of our policies and procedures? When does working at heights combine with red-flag situations in our organization? What preventive measures are in place? Are the preventive measures enough?	

Workplace violence

Where do we have potential for workplace violence?

Where can employees get seriously injured?/Where can fatalities happen?

What hazardous work is being done outside of our policies and procedures?

When does workplace violence combine with red-flag situations in our organization?

What preventive measures are in place?

Are the preventive measures enough?

**Machine hazards/
lockout failures**

Where do we have machines with moving parts?

Where can employees get seriously injured?/Where can fatalities happen?

When do employees use lockout? What circumstances might come up where lockout is not used?

What hazardous work is being done outside of our policies and procedures?

When do machine hazards and lockout combine with red-flag situations in our organization?

What preventive measures are in place?

Are the preventive measures enough?

**Hazardous materials/
environmental exposure**

When do we work with or have hazardous materials?

Where can employees get seriously injured?/Where can fatalities happen?

What hazardous work is being done outside of our policies and procedures?

When do hazardous materials and environmental exposure combine with red-flag situations in our organization?

What preventive measures are in place?

Are the preventive measures enough?

**Electrical/arc flash
hazards**

Where do we work on, around, or have contact with electricity?

Where can employees get seriously injured?/Where can fatalities happen?

What hazardous work is being done outside of our policies and procedures?

When do electrical and arc flash hazards combine with red-flag situations in our organization?

What preventive measures are in place?

Are the preventive measures enough?

Fire/explosion/hot work

When do we do electrical, arc, or torch welding?
Other hot work, or exposure to fire or explosions?

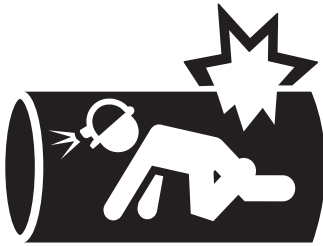
Where can employees get seriously injured?/Where can fatalities happen?

What hazardous work is being done outside of our policies and procedures?

When do fire/explosion/hot work combine with red-flag situations in our organization?

What preventive measures are in place?

Are the preventive measures enough?

**Confined spaces/
trenching/ engulfment**

Where do we have employees who enter or work around confined spaces or trenches? Do we have employees who could be engulfed?

Where can employees get seriously injured?/Where can fatalities happen?

What hazardous work is being done outside of our policies and procedures?

When do confined spaces/trenching and engulfment combine with red-flag situations in our organization?

What preventive measures are in place?

Are the preventive measures enough?

Suspended loads

Where do we have or work around suspended loads?

Where can employees get seriously injured?/Where can fatalities happen?

What hazardous work is being done outside of our policies and procedures?

When do suspended loads combine with red-flag situations in our organization?

What preventive measures are in place?

Are the preventive measures enough?

**Struck by objects and
equipment**

Where do employees work around moving objects or equipment? Could employees be struck or crushed?

Where can employees get seriously injured?/Where can fatalities happen?

What hazardous work is being done outside of our policies and procedures?

When do struck by objects and equipment hazards combine with red-flag situations in our organization?

What preventive measures are in place?

Are the preventive measures enough?

Manager/supervisor: _____ Date: _____

Employees involved in review: _____