



Sawmills Sector Risk Assessment

Results of the June 6, 2017 Workshop

Table of Contents

1. Risk Assessment Project: Introduction
2. Risk Assessment Project: The Subject of Inquiry
3. Risk Assessment Workshop: Process
4. Risk Assessment Workshop: Subject Matter Experts
5. Risk Assessment Workshop: Event Categories
6. Risk Assessment Workshop Results: Worker + Employer
7. Worker vs. (Workshop Results): Comparison of their Top 10 Risks
8. Employer vs. (Workshop Results): Comparison of their Top 10 Risks
9. Appendix : Project Contacts

Risk Assessment Project: Introduction

- ❑ **The Ministry of Labour (MOL) launched in 2013, a project to put in place an integrated risk management methodology:**
 - To identify risks to worker health and safety and to work with employers and workers on reducing those risks
 - To provide more information to employers and to workers and their representatives about risks at the **SECTOR** level

- ❑ **Harness collective wisdom across the sector in a bipartite process to focus the industry, workers and their representatives, Health & Safety Agencies (HSAs), and the regulator on the highest risks to health and safety**

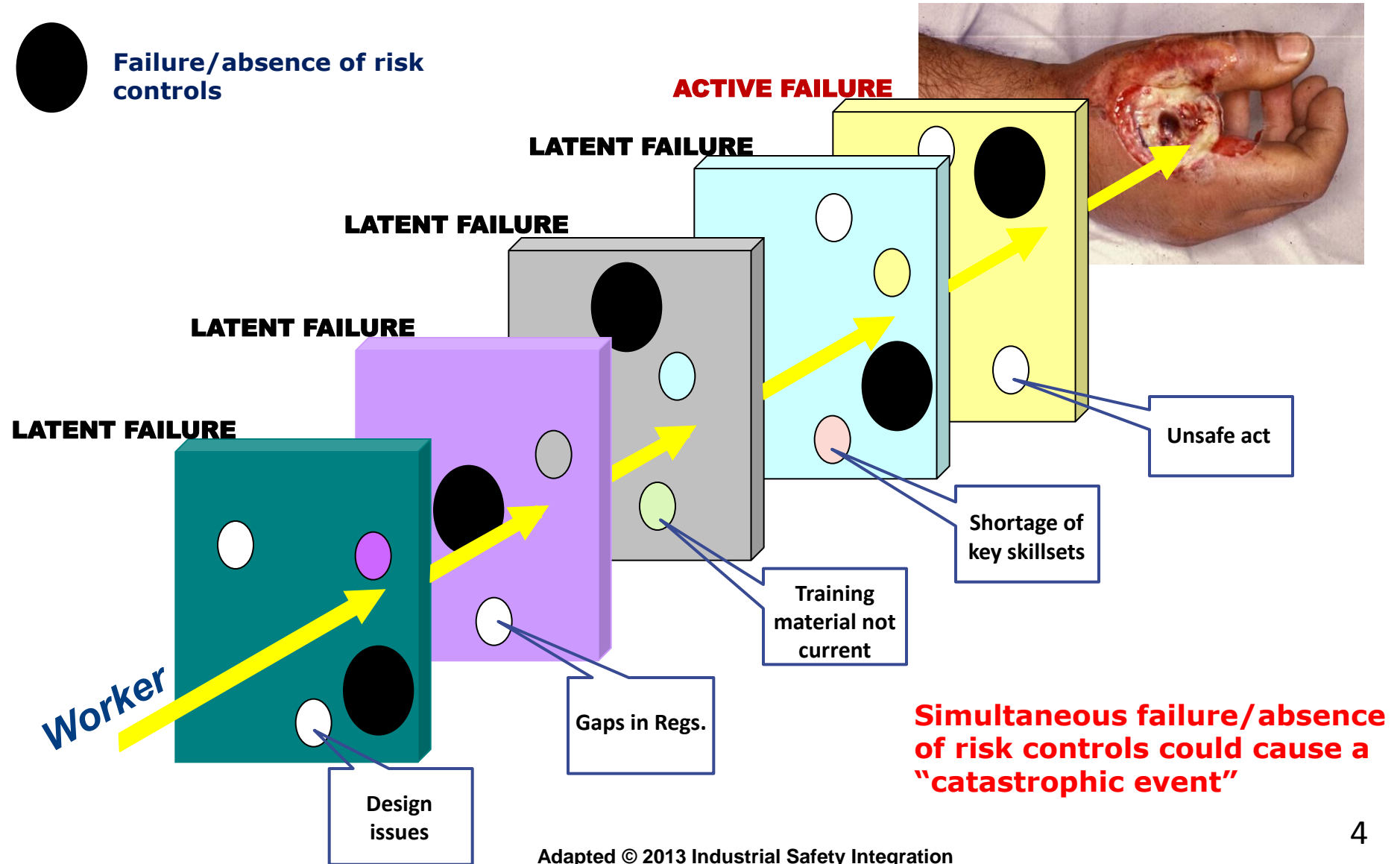
- ❑ **This approach draws on industry, worker, HSA, and ministry knowledge of risk and recognizes that one-size does not fit all**

- ❑ **The approach developed for this project draws on the empirical insights of risk management, and operations research/ decision science**

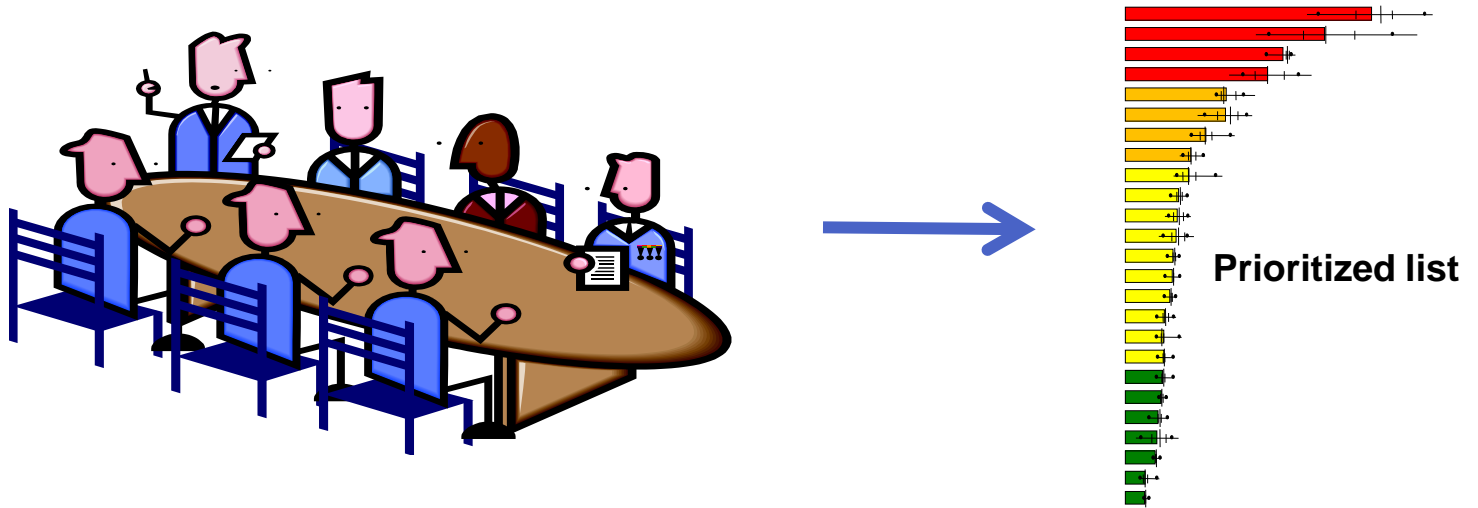
Risk Assessment Project: The Subject Of Inquiry

○ Examples that could lead to increased risk

● Failure/absence of risk controls



Risk Assessment Workshop: Process



Workshop is face-to-face. No teleconferencing.

Risk Assessment Workshop: A Bipartite & Collective Process

- ❑ **Workshop process was open, transparent, and collaborative:**
 - Ensured that any perspective or viewpoint was heard
 - Each response received was respected and not freely edited
 - Final list shared with workshop participants before the workshop

- ❑ **Finding acceptable solutions that all members can support:**
 - Only Worker and Employer participants voted, not MOL or WSN
 - Process was NOT about consensus, although the results demonstrate a significant degree of convergence

Subject Matter Experts: Workshop

#	Name	Company/Representation
1	André Bouchard*	Tembec Sawmill
2	Jocelyn Lagace*	EACOM Sawmill
3	Scott Manford*	Resolute Forest Products
4	Cameron McRae*	McRae Lumber Company
5	Michel Charron*	USW Local 1-2010 (Tembec Sawmill)
6	Lisa Bouillon*	UNIFOR Local 31-X (EACOM Sawmill)
7	Keith Caldwell*	USW Local 1-2010 (Resolute Forest Products)
8	Andy Aleck*	Non-Union (McRae Lumber)
9	John Bell	EACOM Sawmill
10	Tom Welton	Workplace Safety North
11	Chris Serratore	Workplace Safety North

#	Name	Company/Representation
12	Allen Armstrong	Ministry of Labour
13	Bernie Souliere	Ministry of Labour

#	Name	Company/Representation
14	Christine Bibby	Ministry of Labour (Workshop Tech Support)
15	Sujoy Dey	Ministry of Labour (Workshop Facilitator)



Employer representation



Worker representation

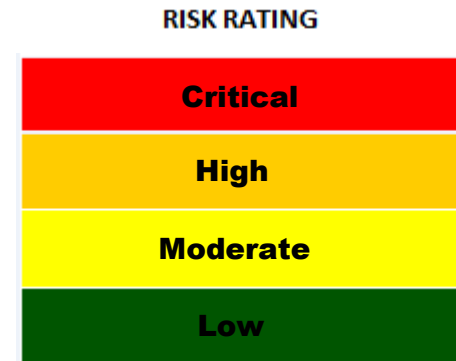
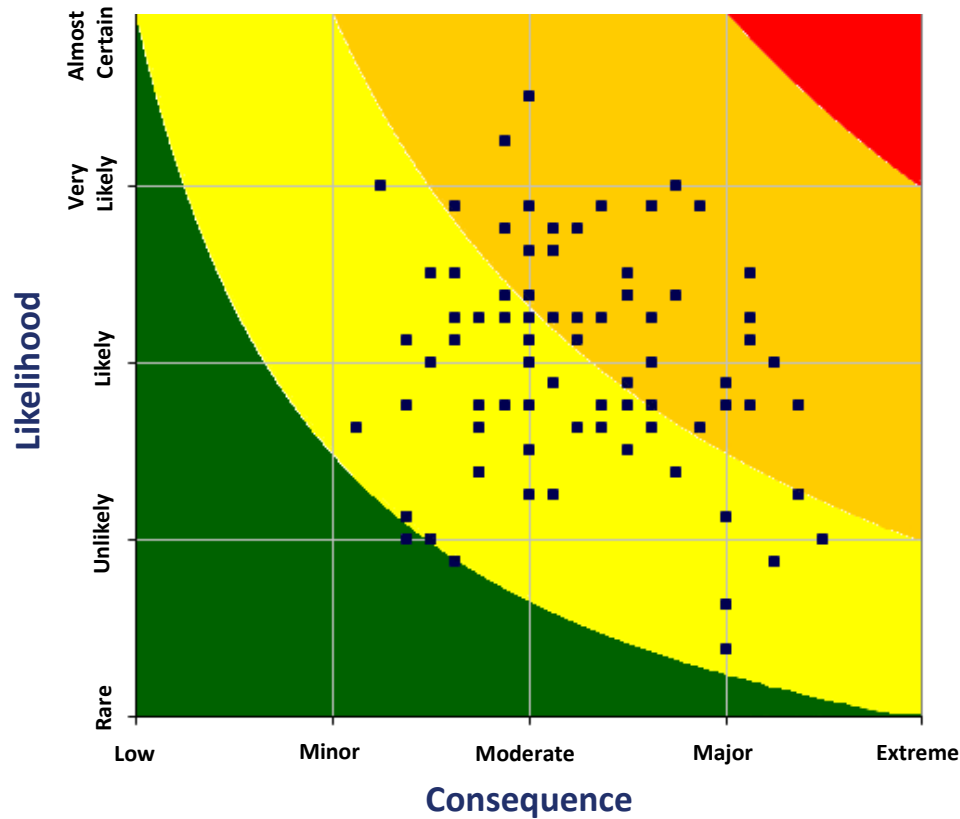
* **Voting Participant**

Risk Assessment Workshop: Event Categories

1. Age
2. Electrical
3. Fatigue
4. Fire
5. Guarding
6. IRS
7. Lifting Equipment
8. Lockout
9. Maintenance
10. Mobile Equipment
11. MSD
12. Occupational Illness
13. PPE
14. Psychosocial
15. Slips, Trips and Falls
16. Stockpiles
17. Struck By
18. Substance Abuse
19. Training
20. Ventilation
21. Working Alone
22. Working from Heights

*** This list is not in any order of priority**

Sawmills Sector: Heat Map



LIKELIHOOD	DESCRIPTION
Almost Certain [5]	Unwanted event is almost certain to happen in the next year [or 90% or greater chance of occurrence]
Very Likely [4]	High probability for unwanted event to occur in the next year [or between 50%-90% chance of occurrence]
Likely [3]	It is possible for unwanted event to occur in the next year [or between 20%-50% chance of occurrence]
Unlikely [2]	Low probability for unwanted event to occur in the next year [or between 5%-20% chance of occurrence]
Rare [1]	Very low probability for unwanted event to occur in the next year [or less than 5% chance of occurrence]

CONSEQUENCE	DESCRIPTION
Extreme [5]	Fatality or Permanent Disability [or extreme impact/importance]
Major [4]	Serious Event/ Critical Injury or Critical Illness [or major impact/importance]
Moderate [3]	Temporary Disability (Lost Time): Injury/Illness [or moderate impact/importance]
Minor [2]	First Aid Treatment (No Lost Time) [or minor impact/importance]
Low [1]	No injury or illness [or negligible impact/importance]

Top 10 Risks (Workshop Results)

☐ These are the top 10 risks out of a total of 80 identified events

Risk Rank	Category	Event (Situation or Condition) that could result in Injury or Illness OR What could keep you up at night?	L		C		Risk
			L	sd-L	C	sd-C	
1	Substance Abuse	Under the influence of Drugs and Alcohol in the workplace	3.88	0.64	3.88	0.64	15.02
2	Training	Employees taking shortcuts	4.00	0.76	3.75	0.71	15.00
3	Lockout	Not properly locked out/improper equipment isolation	3.50	0.53	4.13	0.64	14.44
4	Age	New/young workers	3.88	0.64	3.63	0.74	14.05
5	Psychosocial	Lack of focus/Distracted employees when performing their duties	3.88	0.64	3.63	0.74	14.05
6	Slips, Trips, and Falls	Slips, trips and falls	4.50	0.53	3.00	0.53	13.50
7	Occupational Illness	Loss of hearing/ringing in ears	3.25	0.71	4.13	0.83	13.41
8	Psychosocial	Stress	3.88	1.13	3.38	0.52	13.08
9	Working from Heights	Absence of engineered anchor points for every application (Often anchor points must be improvised)	3.13	0.35	4.13	0.64	12.89
10	Lockout	Caught in/crushed by mobile equipment	3.00	0.76	4.25	0.71	12.75

sd = Standard Deviation

Worker vs. (Workshop Results) - Top 10 Comparison

Worker

Workshop Results

Risk Rank	Category	Situation or Condition that could result in Injury or Illness OR What could keep you up at night?	Risk
1	Training	Employees taking shortcuts	18.00
2	Psychosocial	Stress	16.63
3	Lockout	Caught in/crushed by mobile equipment	15.75
4	Substance Abuse	Under the influence of Drugs and Alcohol in the workplace	15.00
5	MSD	Long-term Muscular Skeletal Disorders	15.00
6	IRS	Management being "all talk" about safety	14.88
7	Occupational Illness	Loss of hearing/ringing in ears	14.63
8	Lifting Equipment	Lack of accountability to the third party providers of inspection services	14.06
9	MSD	Flipping board's (infeeds/outfeeds) repetitive motion resulting in wrist strain or hand pinch or muscle skeletal injury	14.00
10	IRS	Workers stop caring, frustrated due to very little/no progress and inaction by management ("What's the use" mentality)	13.50

Risk Rank	Category	Situation or Condition that could result in Injury or Illness OR What could keep you up at night?	Risk
1	Substance Abuse	Under the influence of Drugs and Alcohol in the workplace	15.02
2	Training	Employees taking shortcuts	15.00
3	Lockout	Not properly locked out/improper equipment isolation	14.44
4	Age	New/young workers	14.05
5	Psychosocial	Lack of focus/Distracted of employees when performing their duties	14.05
6	Slips, Trips, and Falls	Slips, trips and falls	13.50
7	Occupational Illness	Loss of hearing/ringing in ears	13.41
8	Psychosocial	Stress	13.08
9	Working from Heights	Absence of engineered anchor points for every application (Often anchor points must be improvised)	12.89
10	Lockout	Caught in/crushed by mobile equipment	12.75

Employer vs. (Workshop Results) - Top 10 Comparison

Employer

Workshop Results

Risk Rank	Category	Situation or Condition that could result in Injury or Illness OR What could keep you up at night?	Risk
1	Psychosocial	Lack of focus/Distracted employees when performing their duties	17.00
2	Lockout	Not properly locked out/improper equipment isolation	16.88
3	Slips, Trips, and Falls	Slips, trips and falls	15.44
4	Age	New/young workers	15.00
5	Substance Abuse	Under the influence of Drugs and Alcohol in the workplace	15.00
6	Mobile Equipment	Traffic Accidents	15.00
7	Struck By	Pedestrian/worker struck by mobile equipment	14.25
8	Mobile Equipment	Distracted driving in the yard	14.00
9	Fire	Fires	13.81
10	Working from Heights	Absence of engineered anchor points for every application (Often anchor points must be improvised)	13.50

Risk Rank	Category	Situation or Condition that could result in Injury or Illness OR What could keep you up at night?	Risk
1	Substance Abuse	Under the influence of Drugs and Alcohol in the workplace	15.02
2	Training	Employees taking shortcuts	15.00
3	Lockout	Not properly locked out/improper equipment isolation	14.44
4	Age	New/young workers	14.05
5	Psychosocial	Lack of focus/Distracted employees when performing their duties	14.05
6	Slips, Trips, and Falls	Slips, trips and falls	13.50
7	Occupational Illness	Loss of hearing/ringing in ears	13.41
8	Psychosocial	Stress	13.08
9	Working from Heights	Absence of engineered anchor points for every application (Often anchor points must be improvised)	12.89
10	Lockout	Caught in/crushed by mobile equipment	12.75

Top 10 Risk Categories

- These are the Top 10 categories based on the highest risk within that category

#	Category	Situation or Condition that could result in Injury or Illness OR What could keep you up at night?
1	Substance Abuse	Under the influence of Drugs and Alcohol in the workplace
2	Training	Employees taking shortcuts
3	Lockout	Not properly locked out/improper equipment isolation
4	Age	New/young workers
5	Psychosocial	Lack of focus/Distraction of employees when performing their duties
6	Slips, Trips, and Falls	Slips, trips and falls
7	Occupational Illness	Loss of hearing/ringing in ears
8	Working from Heights	Absence of engineered anchor points for every application (Often anchor points must be improvised)
9	Lifting Equipment	Lack of accountability to the third party providers of inspection services
10	Fire	Fires

Appendix : Project Contacts

□ For additional information or questions, please contact:

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✓ **Tom Welton, CRSP**
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