Ergonomics Rulemaking Scheduled Airlines – Ground Crew Operations

Scheduled Airline – Ground Crew stakeholder meeting First scoping meeting January 22, 2025



Agenda

- Welcome and Introductions
- Zoom / Meeting Information
- Safety Tip
- Purpose
- Background
- Scheduled Airlines Ground Crew Operations
- Roadmap
- Basics of Ergonomics
- Scoping Questions
- Rulemaking Timeline and Next Steps

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Zoom Meeting Information

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Online

- Controls at the bottom of the Zoom screen
- Questions:
 - Raise Hand Option: For live questions-DOSH staff will call on attendees after presenting the new requirements and draft language. In addition, DOSH staff will call on attendees after presenting the supplemental information.
 - Q&A Icon-Enter questions for DOSH staff. DOSH staff may respond directly; or, will read questions to the technical specialist to answer.
 - Chat-Feature disabled.

Phone

- To raise/lower hand use *9
- To mute/unmute use *6

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Safety Tip – Shoveling Snow

- Use a lightweight (about 3 pounds), sturdy shovel
- Handle length at chest level to avoid bending
- A curved shaft with a D-handle at the top helps with posture
- Use a smaller blade for heavier snow
- Warm up before starting
- Dress in layers and wear boots with good traction
- Push snow rather than lift
- Work at a comfortable pace and take breaks



Source: https://www.ccohs.ca/oshanswers/ergonomics/snow_shovelling.html

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Purpose of the meeting

- The purpose of this meeting is to gather input from employers and employees in the Scheduled Airlines – Ground Crew Operations risk class on any issues, concerns, and industry best practices.
- Feedback on first broad scoping questions is requested to be submitted by February 14, 2025 to <u>RulemakingErgo@lni.wa.gov</u>

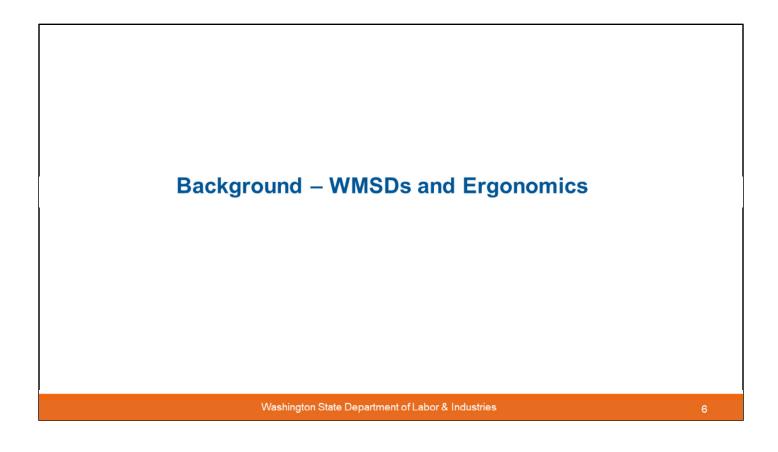
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The purpose of this meeting is to gather input from employers and employees on Scheduled Airlines – Ground Crew Operations risk class on any issues, concerns and industry best practices. We welcome questions related to the information in the presentation and questions that would support your ability to answer the scoping questions.

We do not intend to gather all input on the scoping questions at this meeting, rather, we ask that if you did not share feedback during the meeting on the scoping questions, send your feedback in writing to the rulemaking email address of RulemakingErgo@lni.wa.gov.

Questions outside of the presentation content will be tracked in a parking lot.

We intend to work collaboratively with stakeholders on the rule development process. Information on the rule development roadmap will be discussed later in the meeting.

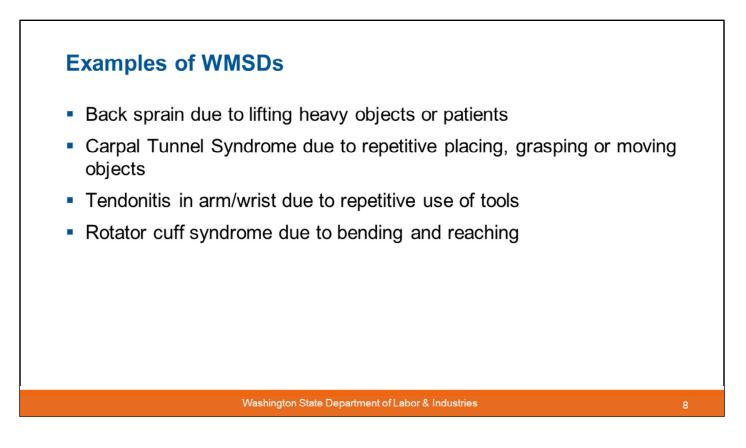


Work-related musculoskeletal disorders (WMSDs)

- Leading type of occupational injury
 - Nearly 1/3 of all compensable claims
- Affects the soft tissues of the musculoskeletal system
- Commonly caused by overexertion and/or repetitive movements and/or reactions from certain postures
- Are not injuries resulting from impact
 - Examples: Falls, struck by/against events, cuts or motor vehicle crashes

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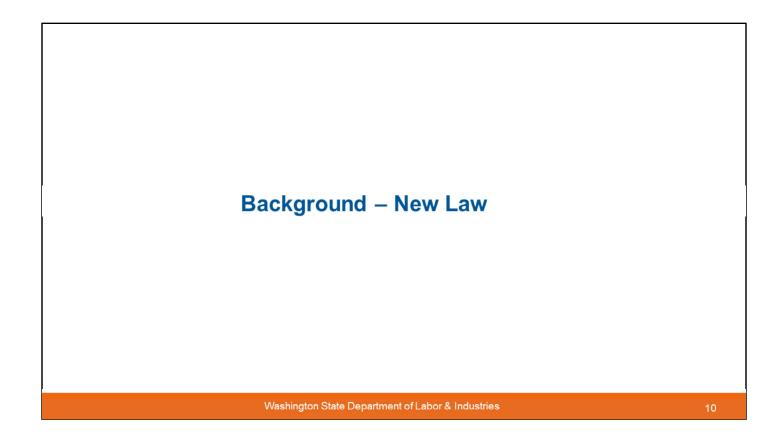
To give some context on what WMSDs are, they are, first off, caused or exacerbated by the work performed by a worker. Secondly, they are conditions that disturb or disrupt the function of soft tissues of the musculoskeletal system, for example, ones nerves, tendons, ligaments, etc. And they develop when the physical requirements of a job exceed the physical capacity of the human body. There will be more examples of this in the next few slides.



These are some examples of WMSD's. There are many others not shared here.

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WMSDs hazards are what we are trying to prevent. Ergonomics is the solution.



2023 ergonomics law (RCW 49.17.520) Overview

L&I will adopt rules for WMSD hazards (with constraints):

- Only one rule for an <u>industry</u> (NAICS code) or a <u>risk class</u> in a 12-month period, and not before July 1, 2026
- Compensable WMSD claim rate > 2X the overall statewide rate for a 5-year period
 - 2017–2021 statewide average: 4.4 per 1,000 FTE
 - 2018–2022 statewide average: 4.3 per 1,000 FTE
- May not adopt emergency rules or rules for employee home offices

Read more on the Ergonomics Rulemaking website

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What is a NAICS code? For purposes of WMSD rules, "industry" is any classification in the North American Industry Classification System (NAICS), a national standard used to classify business establishments according to their primary economic activity. NAICS uses a six-digit coding system to identify particular industries. The first two digits designate the sector, the third digit designates the subsector, the fourth digit designates the industry group, the fifth digit designates the NAICS industry and the sixth digit designates the national industry.

The new law allows L&I to adopt rules at the three-digit, four-digit, and four-digit NAICS code level. When adopting rules using NAICS code, the new law requires the rules must exclude any NAICS code in the lower digit level that have a compensable WMSD claim rate of less than 2X the overall statewide rate for the 5-year period. For example, if adopting rules at the three-digit NAICS level, the rules must exclude any four-, five-, or six-digit NAICS codes that are less than the 2X overall statewide rate.

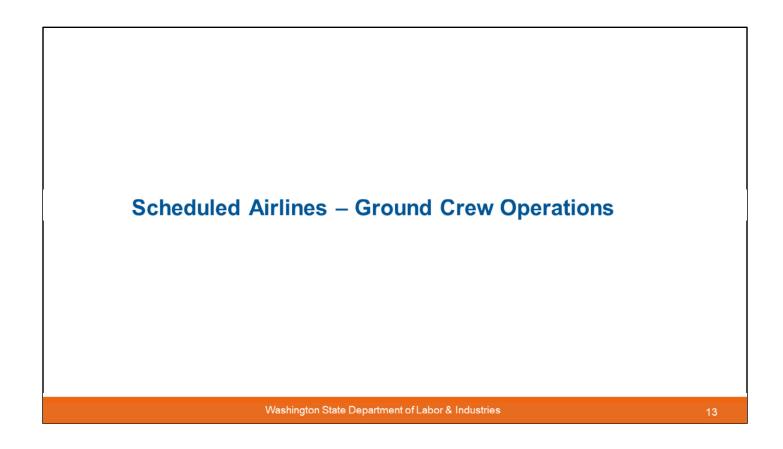
What is a risk classification? Rather than choosing a specific industry for rulemaking, the law allows L&I to focus rulemaking on a specific risk classification. When L&I is setting workers' compensation insurance premiums, we group work activities that have similar risks for insurance loss together into risk classifications. Risk classifications and their descriptions are defined in the Washington Administrative Code – 296-17A.

The state risk classification system uses a simple hierarchical structure with two levels: a main risk classification level with 4-digits, which can then be subdivided into 6-digit sub-risk classifications. When adopting rules using risk classes, the new law requires the rules must exclude any 6-digit sub-risk class that have a compensable WMSD claim rate of less than 2X the overall statewide rate for the 5-year period.

What is a compensable claim? Accepted claims are divided into medical-only claims and compensable claims. Compensable claims have additional expenses, including payments for time-loss, permanent partial disability awards, total permanent disability, and survivor benefits.

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See the Ergonomics Rulemaking website to read the 2023 and 2024 reports of Industries and Risk Classifications Eligible for Ergonomic Rulemaking.



Scheduled Airlines - Ground Crew Operations for first rule

- Rulemaking initiated October 29, 2024
- Rule will apply to ground crews employed by businesses operating schedule airlines under risk class 6802-00
 - Scheduled airlines have published fares and definite dates, routes, and time for departure and arrivals
 - Ground crews include baggage handlers, ticket sellers who handle baggage, and aircraft maintenance crew

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The rulemaking for Scheduled Airlines- Ground Crew Operations was announced and initiated by filing a CR-101 on October 29, 2024.

For more information on this rulemaking visit the L&I website at www.lni.wa.gov/safety-health/safety-rules/rulemaking-stakeholder-information/air-transportation-ergo

Common causes of WMSD injuries include: Lifting and throwing luggage and cargo, repetitive placing, grasping, or moving objects, bending, climbing, reaching, and twisting, pushing or pulling carts or wheelchairs.

This rule writing excludes risk classification sub class 6802-01, Hot Air Balloon – Ground Crew Operations

Scheduled Airlines – Ground Crew Operations for first rule

- Injury rate, WMSD compensable claim rate for 2017 2021
 - More than 10 times the Washington statewide average for all industries
 - Statewide average claim rate per 1,000 FTEs is 4.4
 - Scheduled Airlines Ground Crew operations average claim rate per 1,000 FTEs is 47.0
- Claim rate trend
 - The claim rate is estimated to be remain 10 times higher than the statewide rate in 2024.
 - The compensable WMSD claim rate for risk class 6802 is not decreasing over time, while the statewide average is decreasing by about 5% each year.

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Per RCW 49.17.520, L&I is required to consider trends when selecting an industry or risk classification for rulemaking.

L&I is to consider the following trends when selecting an industry or risk classification for rulemaking:

- Whether the statistical trend suggests the industry or risk class will have a rate lower than two-times the state average in the next three years. If yes, these industry or risk class is still eligible but must be a low priority for rulemaking.
- In selecting an industry or risk class for rulemaking, L&I is to consider whether the trend of the WMSD compensable claim rate is demonstrating a statistical downward trend in the claims rate that is greater than the statewide average.

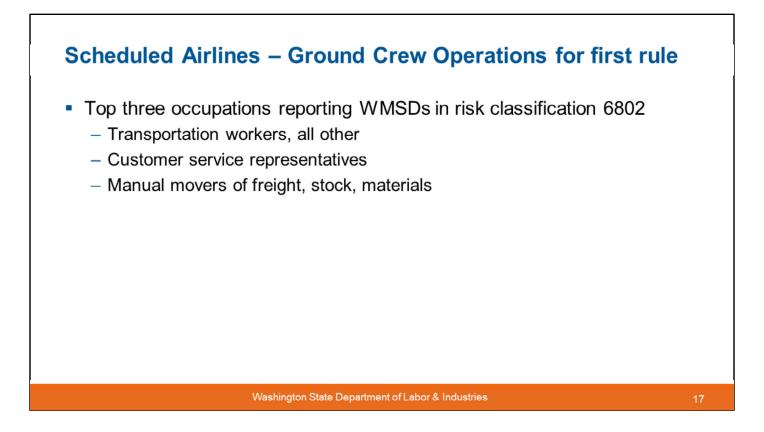
Scheduled Airlines – Ground Crew Operations for first rule

- Factors for choosing Scheduled Airlines Ground Crew Operations *not a complete list
 - Quantitative Factors
 - Number of compensable claims per year 167.4 per year
 - Trend data
 - Time loss duration median 24 days
 - Qualitative Factors
 - WMSD hazards associated with baggage handling: lifting and throwing luggage and cargo; repetitive placing, grasping, or moving objects; bending, climbing, crawling, and reaching or twisting; and pushing or pulling carts.
 - · Industry best practices are available

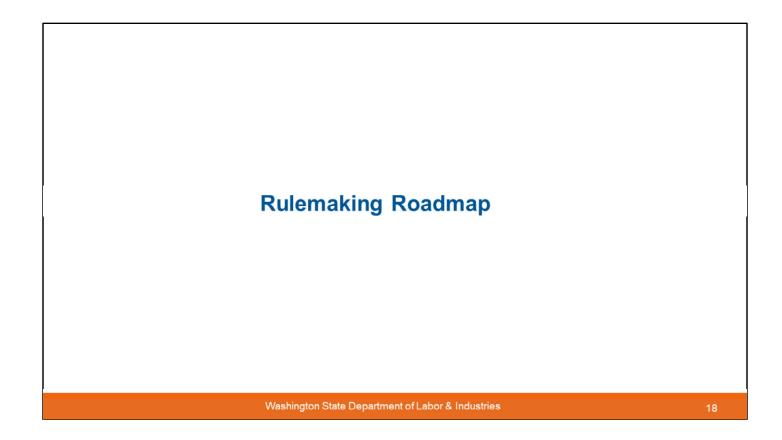
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In determining the industry selected for rule making, L&I considered many different factors. No single factor was determinative; rather a holistic assessment was made. Primarily, all industries and risk classifications met the criteria and were eligible for rulemaking as having the WMSD compensable claim rate of two times the statewide average. Some of the factors considered included the annual number of compensable WMSD claims, the number of employees potentially impacted, the long-term trend of WMSD rates, and the desire to include a range of industry sectors.

The 2002-2006 OSHA Alliance with the Airline Industry and the National Safety Council (NSC), International Air Transport Section is an example of available industry best practices for the work performed by the risk class. The OSHA Alliance focused on ergonomics and the issues related to handling passenger checked baggage. For more information, see https://www.osha.gov/alliances/nsc-airline/nsc-airline. The OSHA Baggage Handling eTool, available at https://www.osha.gov/etools/baggage-handling, was developed as part of this Alliance. The 2008-2018 OSHA Alliance with the Airline Ground Safety Panel (AGCP) focused on hazards such as falls, motor vehicles, and hazard communication. For more information see <a href="https://www.osha.gov/alliances/airline-group/airli



These are standard job classification categories described in claims classification coding.



Ergonomic Rule Development Roadmap

Step 1: File formal notice of intent to adopt rules (CR-101). L&I filed the CR-101 Preproposal on October 29, 2024

Scoping

- Broad conversations: What components of ergonomic rules might be consistent across all industry specific rules?
- Conversations specific to Ground Crew Operations: What are the issues, concerns, and industry best practices L&I should consider when we start rule development?

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Ergonomic Rule Development Roadmap (cont.)

Step 1 (cont.)

Develop draft proposed rules and get recommendations from advisory committee

- **Rule Development:** Input from all interested parties on developing the draft proposed rule language.
- Ground Crew Operations Advisory Committee: Provide recommendations on draft proposed rules.
- Analyzing the cost of the proposed rules
 - Cost Benefit Analysis.
 - Small Business Economic Impact Statement.

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Ergonomic Rule Development Roadmap (cont.)

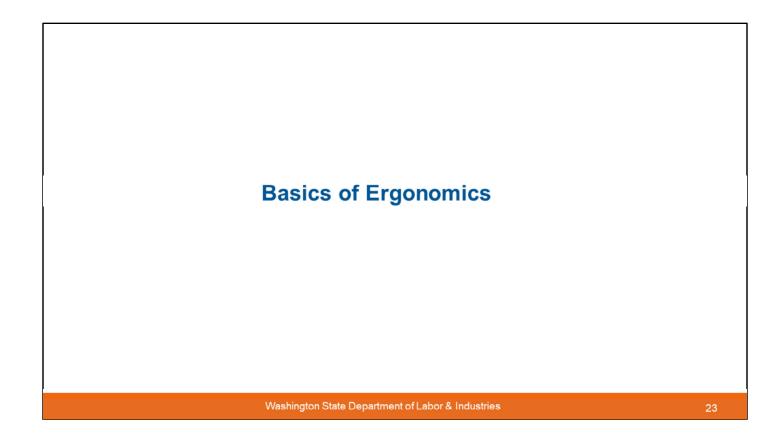
Step 2: File proposed rule (CR-102)

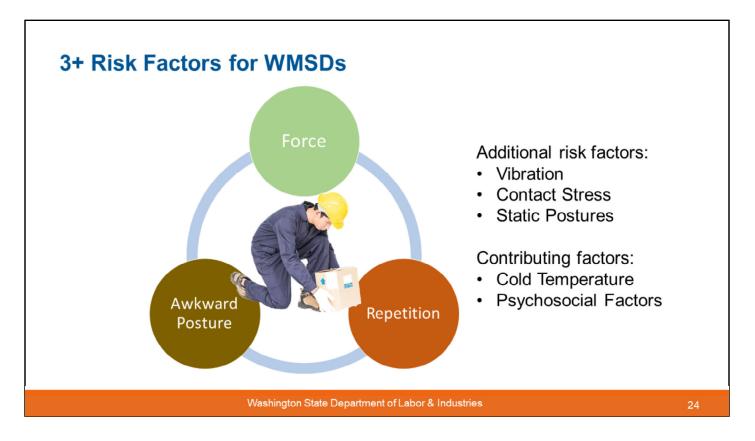
Public comment period

- Gather written public comments and hold public hearing; then
- L&I considers and responds to public comments prepared, and makes decisions on final rule language.

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WMSDs are frequently caused by the "Big 3" risk factors of force, repetition, and awkward posture. This is especially true when all three risk factors occur at the same time.

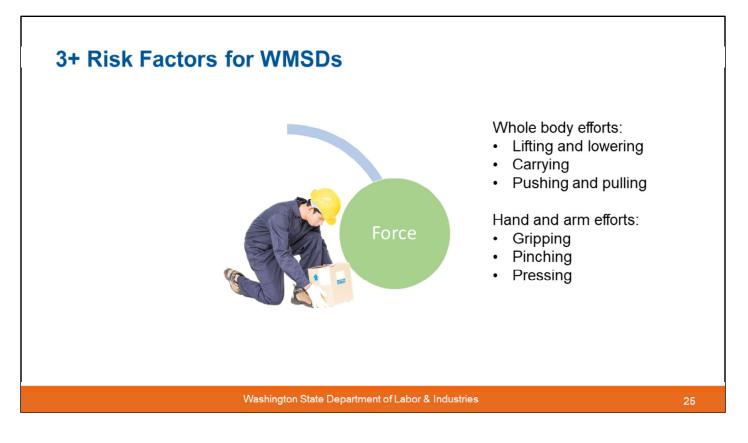
There are additional risk factors that can lead to injury:

Vibration can either be to the hands and arms, most commonly with handheld power tool use, or to the whole body, when driving vehicles or operating heavy equipment. Hand-arm vibration can damage the nerves and blood vessels in the fingers, hands and arms. Whole body vibration can lead to damage to the spinal discs.

Contact stress occurs when hard or sharp objects press into soft tissues of the body. Examples include tool handles with rough edges pressing into the hands, or a desk edge pressing into the wrists.

Static postures refers to holding a body position for a long period. These can be awkward postures, such as leaning over a workbench, or natural postures, such as prolonged sitting or standing.

Contributing factors include cold temperature and psychosocial factors. Cold can cause muscle tightness and stiffness. It can also reduce sensation in the hands, which can then result in gripping harder than necessary. Psychosocial factors add to stress levels, muscle tension, and perceptions of pain. These factors occur when workers have little control over their work, have repetitive and monotonous work, are exposed to work demands in excess of their capabilities, and do not feel supported by supervisors and coworkers.



Force, or physical effort, is one of the greatest risks for WMSDs. Common examples include manual material handling, where workers are lifting, lowering, or carrying loads, or pushing and pulling carts, pallet jacks, and other heavy loads. Force can also be applied primarily through the hands and arms, such as when gripping tools, pinching small objects between the fingers and thumb, or pressing parts into place.



Awkward postures are the most obvious risk factors, since they are easy to observe. Bending forward at the neck or back increases muscle effort and stresses the spine. Bending at the wrist can increase pressure in the carpal tunnel and damage nerves and tendons. Twisting can increase the risk for back injury, especially when combined with bending and lifting. Reaching out or up repeatedly or when handling heavy items can lead to shoulder and arm injuries. Kneeling and squatting are both damaging to the knees.



Repetition can cause muscle fatigue and wear and tear on the joints. It's mostly a risk when combined with force, awkward postures, or both. WMSDs frequently occur in jobs that require a lot of manual material handling or hand intensive work.



There are 5 basic steps to solving any ergonomics problem.

The **first step** is to give supervisors and employees some basic education on ergonomics so that they can help with steps 2-5. Employees are experts at their jobs, so it's important to take advantage of what they know. They're also more likely to accept changes if they're involved in the process.

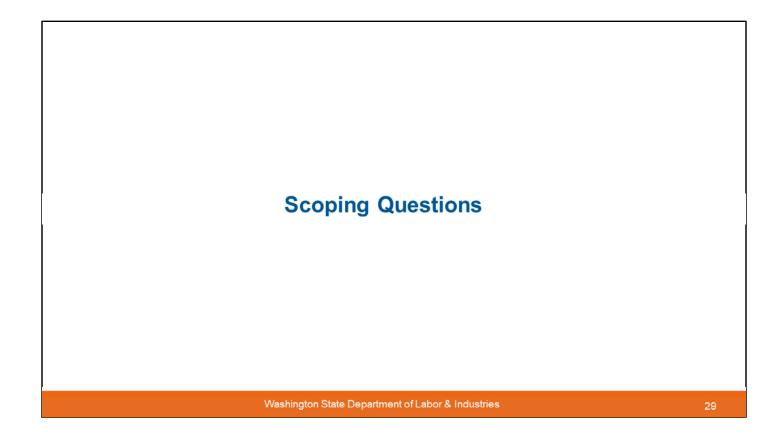
The **second step** is to work with employees to find tasks that might have hazards.

The **third step** is to see if the hazards are really bad enough to create an unacceptable risk for injury.

The **fourth step** is to implement fixes to reduce the hazards and the likelihood of injury.

The **fifth and final step**, and a very important one, is to take another look at the jobs after the solutions are in place to make sure they're effective in reducing the risk of injury.

Lastly, use the process again for other jobs and areas.



Scoping Question Listening Session Overview

- Today we'll focus on the first two questions as a listening session.
- If there is time, we will hold conversations on best practices.
- We ask that written feedback on best practices and any other information is emailed to L&I.
- Please submit written feedback via email by February 14, 2025 to <u>RulemakingErgo@Lni.wa.gov</u>

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Scoping Questions

- What issues do you think L&I should consider as they develop proposed rules for ergonomics in the scheduled airline ground crew operations risk class?
- Do you have any specific concerns you want L&I to be aware of as we start this rulemaking?

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Scoping Questions cont.

- Are there best practices for addressing WMSD hazards, whether for the airline industry in general or for specific employers in the risk class?
 - Best practices for overall WMSD prevention, including approaches to identifying, assessing and fixing WMSD hazards;
 - Best practices related to specific WMSD hazards, such as baggage handling;
 - Best practices related to employee training;
 - Best practices for involving employees in identifying, assessing, and fixing WMSD hazards and evaluating the effectiveness of the fixes, and
 - Experiences implementing best practices or other information related to best practices that would be helpful to share.

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Scoping Questions cont.

Is there other information you want to share with L&I as this process starts?

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Stakeholder Meeting Next Steps

Broad Scoping Conversations

- First set of scoping questions, due January 27th. L&I to review written feedback
- Second broad scoping meeting is tentatively scheduled for March 6, 2025.

Scheduled Airlines Ground Crew Operations Scoping Conversations

- First set of airline specific scoping questions, due February 14, 2025
- Second scoping meeting will tentatively be scheduled in March/April

Advisory Committee

Scheduled airlines advisory committee assembling in January/February

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L&I will assemble a Scheduled Airlines - Ground Crew Operations advisory committee per RCW 49.17.520(6) in January or February 2025. First meeting to be scheduled in March/April.

Scheduled Airlines – Ground Crew Operations Rulemaking Timeline

January 2025	 Start stakeholder meetings Broad scoping meeting, January 9, 2025 Scheduled airline ground crew operations scoping meeting, January 22, 2025 				
TBD	File proposed rules				
TBD	Adopt final rules				
TBD, at least 120 days after adoption no earlier than July 1, 2026	Rule in effect				

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Thank you!

For more about this rulemaking, including information on stakeholder meetings and frequently asked questions, visit the <u>ergonomics</u>, <u>scheduled airlines ground crew</u> <u>operations rulemaking page</u>.

Staff Contacts

For questions about this rulemaking project contact <u>RulemakingErgo@lni.wa.gov</u> For general questions about ergonomics or to schedule a no-charge ergonomics consultation, contact <u>Ergonomics@lni.wa.gov</u>

Get updates via email

If you would like to receive email updates regarding this and other rulemaking projects and future stakeholder meetings, please sign up for our email updates.

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