

# MSMWHS201 Conduct Hazard Analysis

**MSMWHS201 Conduct Hazard Analysis**

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## Overview

This online workbook is pre-course material only - you are still required to attend a practical session and successfully complete a practical assessment before you will be awarded a nationally recognised statement of attainment. Take your time and read each section carefully, it might help for you to take notes.

Make sure you answer all of the checkpoint review questions along the way. The results of this will be sent to your trainer as part of your course assessment.

## What you will learn

This course is designed to help you understand all of the elements required to conduct hazard analysis.

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SECTION 1

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1.1 INTRODUCTION

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☰ 1.1. Introduction



Lesson 1 of 35

## 1.1. Introduction

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This course is based on the national unit of competency **MSMWHS201 Conduct Hazard Analysis**. You will learn how to conduct and record the details of a hazard analysis process.

This process typically forms part of:

- Job Safety Analysis (JSA).
- Job Hazard Analysis (JHA).
- Job Safety and Environmental Analysis (JSEA).
- Safe Work Method Statement (SWMS).

These materials do not cover simpler routine hazard checks, such as 'Take 5', 'Step Back 5x5', five step or similar.



## 2.2.1 Complete Risk Analysis

Risk analysis helps you to work out the 'risk level'. You can work out the risk level by looking at consequence and likelihood:

CONSEQUENCE	LIKELIHOOD
<ul style="list-style-type: none"><li>• What would be the outcome of the event occurring?</li><li>• How severe would the outcome be?</li></ul>	

Consequences of the hazard are not limited to injury, but can include property damage, loss or production (downtime) and negative impact on the environment.

Here are some examples:

	Injury	Property Damage/ Production Loss	Environmental Impact
1. Insignificant	Minor or short term injury.	Low financial loss.	Limited damage to minimal area of low significance.
2. Minor	Reversible disability or impairment.	Medium financial loss.	Minor effects on biological or physical environment.

The image shows a mobile application interface for a quiz. At the top left, there is a hamburger menu icon. Below it, the text "Question" is displayed in a small font, followed by "01/03" in a larger, bold, orange font. The main question text reads: "Section 1: Question 1 – Choose the 3 points that list situations when a hazard analysis might need to be done?". Below the question, there is a list of five options, each preceded by an unchecked checkbox. At the bottom center, there is a grey button with the text "SUBMIT".

Question

**01/03**

Section 1: Question 1 – Choose the 3 points that list situations when a hazard analysis might need to be done?

To ensure the surrounding area will not be affected by work.

A routine hazard analysis for a work area and a hazard analysis for a specified job.

A hazard analysis to gather information for permits to be issued.

You do not need to conduct a hazard analysis.

For investigations, procedure reviews and safety audits.

SUBMIT

The image shows a tablet displaying a quiz question. The question is titled "Question 02/03" and asks "Section 1: Question 2 – What formats are hazard analysis procedures available in?". There are four radio button options: "Only via email updates.", "Only verbal.", "They are communicated during weekly safety meetings.", and "Written, verbal and electronic.". A "SUBMIT" button is located at the bottom of the question area.

Question  
**02/03**

Section 1: Question 2 – What formats are hazard analysis procedures available in?

Only via email updates.

Only verbal.

They are communicated during weekly safety meetings.

Written, verbal and electronic.

SUBMIT