



Tripartite Alliance for  
Workplace Safety and Health



MINISTRY OF  
MANPOWER

# WSH Symposium on Cranes 2023- Resources

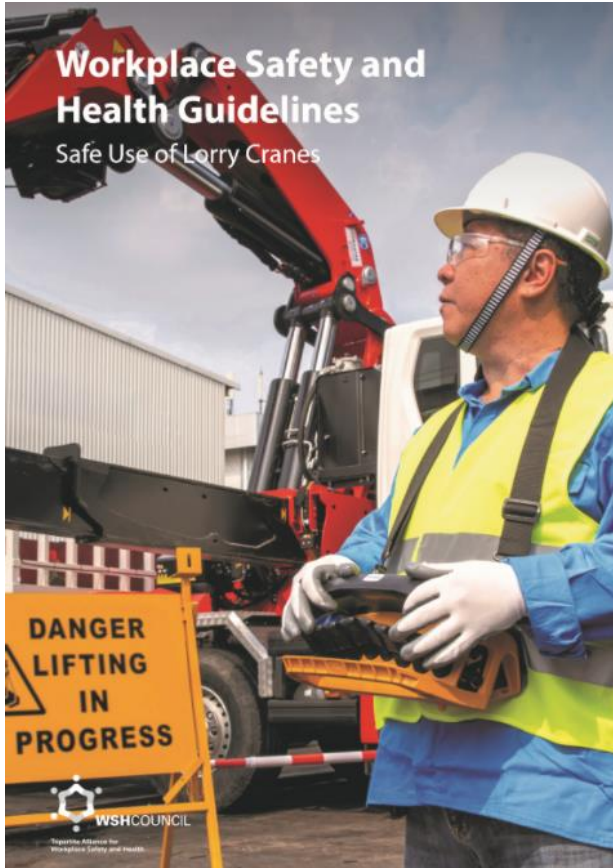


# Guidebook for Lifting Supervisors



Scan QR code or click  
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download Guidebook

# Guidelines for Safe Use of Lorry Cranes



Scan QR code or click on publication image to download the Guidelines

# Sample Checklist for Lifting Plan

## SAMPLE CHECKLIST FOR LIFTING PLAN

This checklist provides an overview of the components of a lifting plan. These components in this checklist are non-exhaustive. Users are recommended to make the necessary customisation to suit your work processes and conditions at the workplace.

S/N	Items	Yes	No	Remarks
<b>Lifting team and lifting machine</b>				
1	Has a competent Lifting Team been identified? (Certifications and/or training records)	Yes	No	
2	Is the exact weight of the load (including rigging and all components) specified?	Yes	No	
3	Is the crane suitable for the identified lift(s) in terms of correct rated capacity and Safe Working Load (SWL)?	Yes	No	
4	Has the maximum load limits for the lift(s) been specified according to manufacturer's recommendation?	Yes	No	
5	Has the load chart been provided to verify boom angle, load radius and lifting capacity for each lift?	Yes	No	
6	Is the Lifting Machine (LM) certificate for the crane valid?	Yes	No	
<b>Drawings / Sketches</b>				
7	Are drawings / sketches with standard unit of measurement provided for the following?			
	(a) Crane position in relation to any nearby streets or structures	Yes	No	
	(b) Location of all nearby utilities both underground and overhead	Yes	No	
	(c) Height of the lift to be accomplished	Yes	No	
	(d) Load radius from center pin of crane to center of the hook at load pick up (start) point	Yes	No	
	(e) Load radius from center pin of crane to center of the hook at load set (end) point	Yes	No	
	(f) Boom length and angle for the lift(s)	Yes	No	
<b>Rigging</b>				
8	Are the full sling details (include SWL and Factor of Safety) checked?	Yes	No	
9	Is lifting gear certificate for selected rigging valid?	Yes	No	
10	Is spreader type, length and SWL suitable for the lift?	Yes	No	
11	Are shackles size, type and SWL suitable for the lift?	Yes	No	
12	Sketch of rigging method provided?	Yes	No	
<b>Operations</b>				
13	Are working and collapse zones of the crane within the site boundaries?	Yes	No	
15	Has the limiting wind speeds for operation been considered?	Yes	No	
16	Has the proximity to overhead structure(s) been considered?	Yes	No	
17	Has the access to lifting location been verified to be suitable?	Yes	No	
18	Are excavations activities near lifting operations been considered?	Yes	No	
19	Has the effect of wind on crane been considered?	Yes	No	
20	Has the effect of wind on load been considered?	Yes	No	
21	Have overall ground conditions been verified?	Yes	No	
22	Has visibility (such as due to haze) been considered?	Yes	No	



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# Lifting Operations Pictogram Poster

**LOOK. THINK. DO.**  
Look out for danger. Think of how you can protect yourself. Do your work safely.

## 6 Basic Workplace Safety and Health (WSH) Rules for Lifting Operations

Lifting operations are high risk activities. Every year, 5 workers die from unsafe lifting operations. Do your risk assessment before starting work.

<b>Report to your supervisor if you feel unwell.</b> 	<b>Follow the lifting plan and instructions closely.</b> 
<b>Report any defective lifting gear to your supervisor.</b> 	<b>Fully extend all lorry crane outriggers on firm level ground.</b> 
<b>Balance and rig the load securely before lifting.</b> 	<b>Barricade lifting zone and do not suspend loads over persons.</b> 



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# Lifting Operations Sticker

Do not stand under suspended load at all times.



Visit [www.wshc.sg/gallery](http://www.wshc.sg/gallery) for more information.



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click on image to  
download the sticker

# Do the National WSH Campaign Workout

- Stay active and alert by making the National WSH Campaign Workout part of your daily/weekly exercises.
- More details on Campaign microsite at [www.taketimetotakecare.sg](http://www.taketimetotakecare.sg)



Scan QR Code to find  
tutorial video on  
microsite

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