



Tripartite Alliance for
Workplace Safety and Health



MINISTRY OF
MANPOWER

WSH Symposium on Cranes 2021- Resources

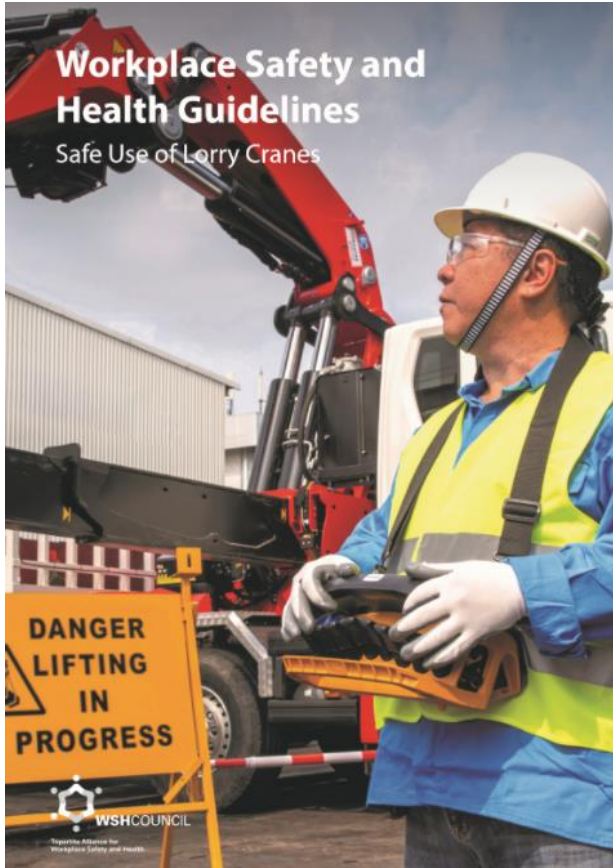


Guidebook for Lifting Supervisors



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Guidelines for Safe Use of Lorry Cranes



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download 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 |
|---|--|-----|----|---------|
| Lifting team and lifting machine | | | | |
| 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 | |
| Drawings / Sketches | | | | |
| 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 | |
| Rigging | | | | |
| 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 | |
| Operations | | | | |
| 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 | |



Scan QR code or click on image to download Checklist

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.

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



Scan QR code or click on image to download poster and share with workers via Whatsapp and put it up in your workplaces.

Lifting Operations Sticker

Do not stand under suspended load at all times.



Visit www.wshc.sg/gallery for more information.



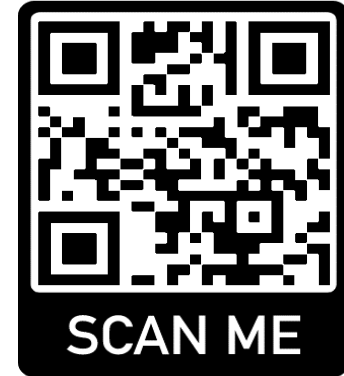
Scan QR code or click on image to download sticker and share with workers via Whatsapp and put it up on your cranes.

National WSH Campaign 2021

Care Time

Scan the QR code to set Care Time in your phone's calendar today!

Visit www.taketimetotakecare.sg to learn more about safety and health actions you can do.



National WSH Campaign Videos

TIME TO WATCH CARE TIME VIDEOS

Watch how Care Time can make a difference to your safety and health at work.



Safety:



Health:



National WSH Campaign Skit

Scan the QR code or click on the YouTube video link below to watch the Campaign skit:

<https://www.youtube.com/watch?v=hnG6I2BKnnU>

