



# WSH Guidelines – Safeguarding Against Falling Objects



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# Workplace Safety & Health Guidelines

Safeguarding Against Falling Objects



## Focus

# Items dropping from height

# Overview

## Struck by Falling Objects

**2<sup>nd</sup> top cause of fatalities**  
**High number of injuries**



SBFO

The diagram illustrates a person being struck by a falling object. A large green arrow curves from the text '2<sup>nd</sup> top cause of fatalities' and 'High number of injuries' down to a teal oval containing the text 'SBFO'. The background features a faint illustration of a person with a falling object and impact lines.

# Risk Assessment

~~Administrative Controls  
Engineering Controls  
Personal Protective Equipment~~  
Hazard Identification

Risk Evaluation

Risk Control

Record Keeping

Implementation &

Review

# Risk Assessment

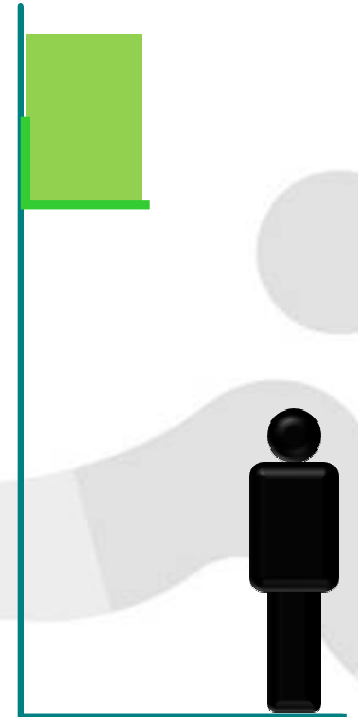
**Elimination**

**Substitution**

**Engineering Controls**

**Administrative Controls**

**Personal Protective Equipment**



# Risk Assessment

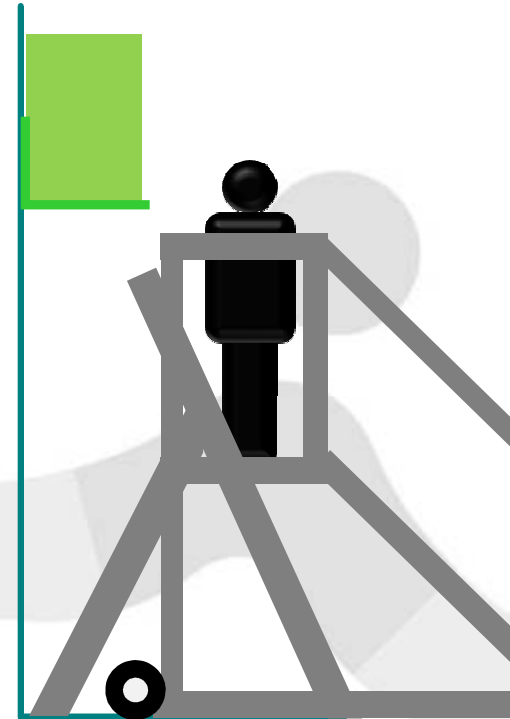
Elimination

Substitution

Engineering Controls

Administrative Controls

Personal Protective Equipment



# Risk Assessment

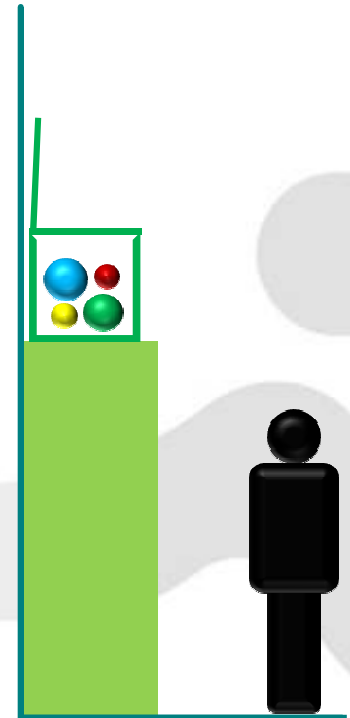
Elimination

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# Risk Assessment

Elimination

Substitution

Engineering Controls

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# Risk Assessment

Elimination

Substitution

Engineering Controls

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# Storage



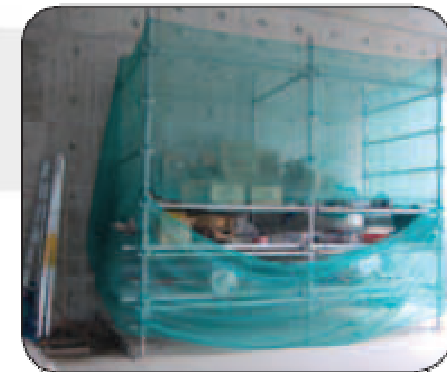
## Arrangement

Heavy below

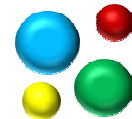


## Securing

Netting / Restrain Bars



Small / Loose Items



Irregularly Shaped Item

Rounded Item



# Working at Height [1]



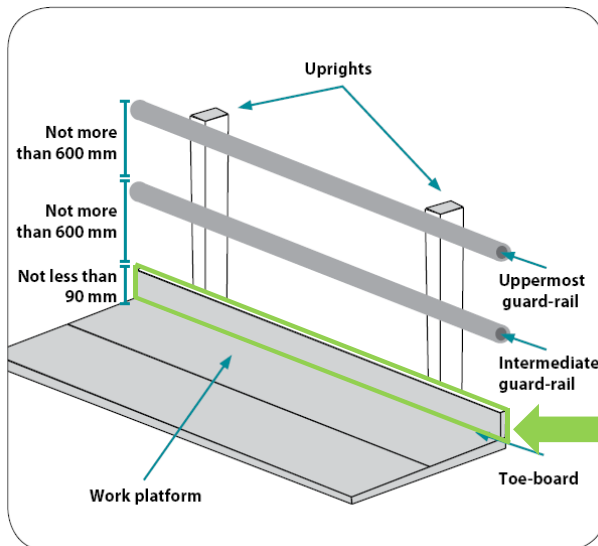
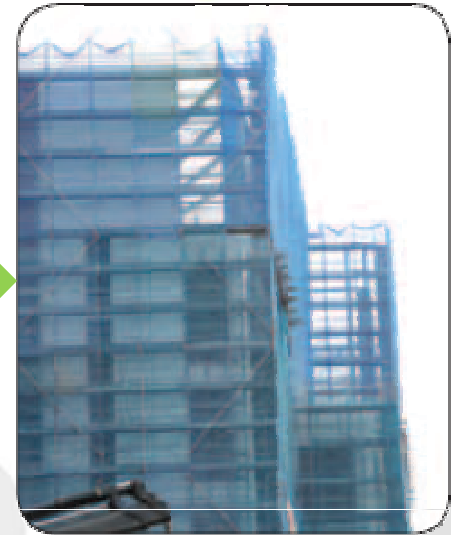
## Elevated Platforms

Overlay / Screening Nets

Safety Nets

Catch Platforms

Toe-boards



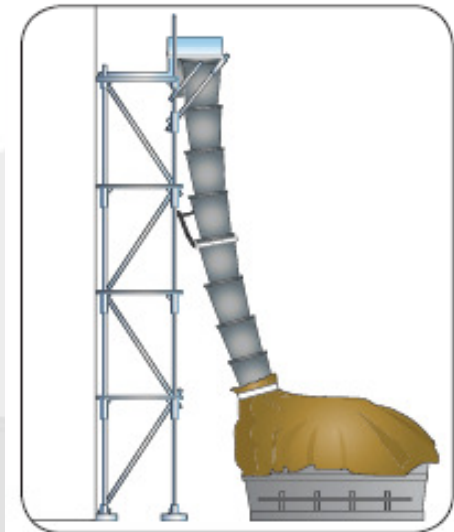
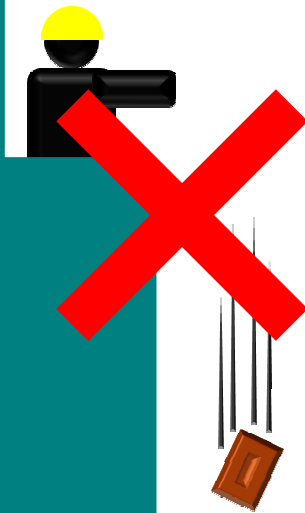
# Working at Height [2]



Removal of  
materials

Controlled Lowering

Debris Chute

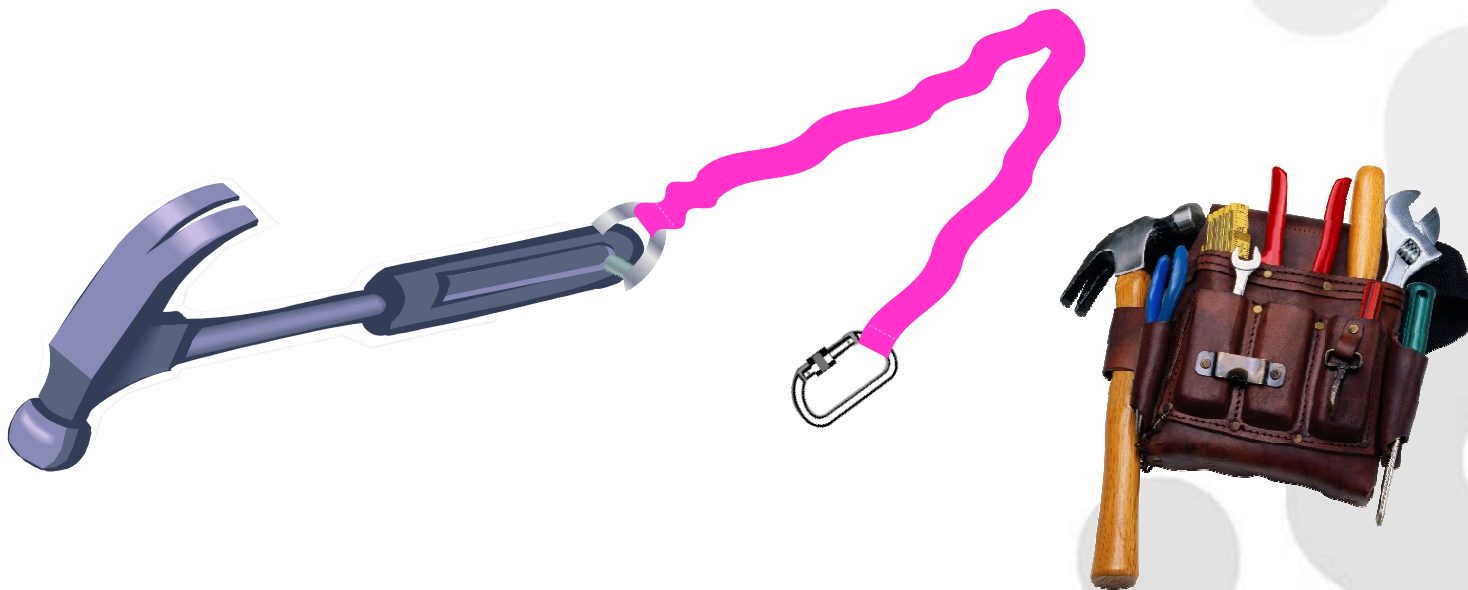


# Working at Height [3]

Equipment

Tethered Tools

Tool Belt / Bag



# Transfer – Goods / Materials



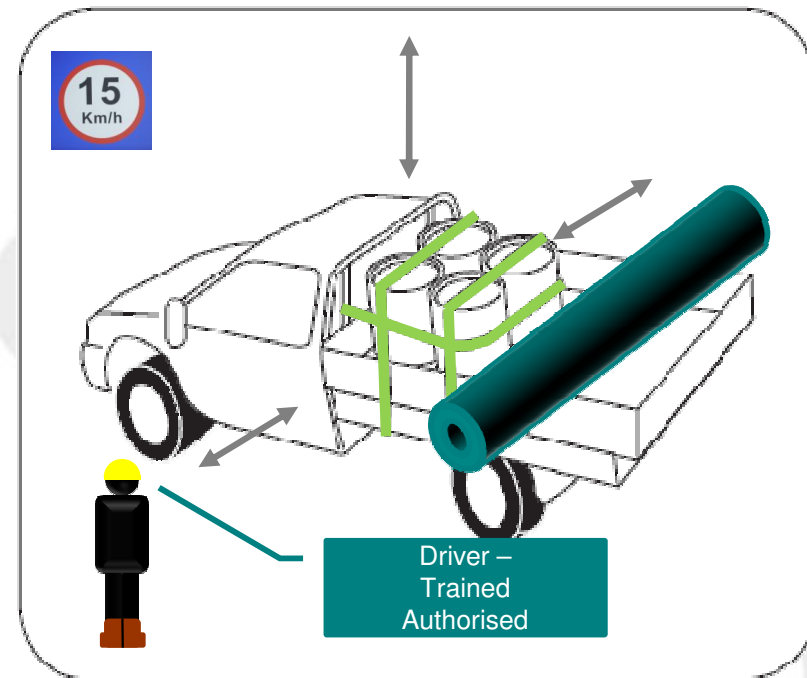
## Movement of Materials

Clearance

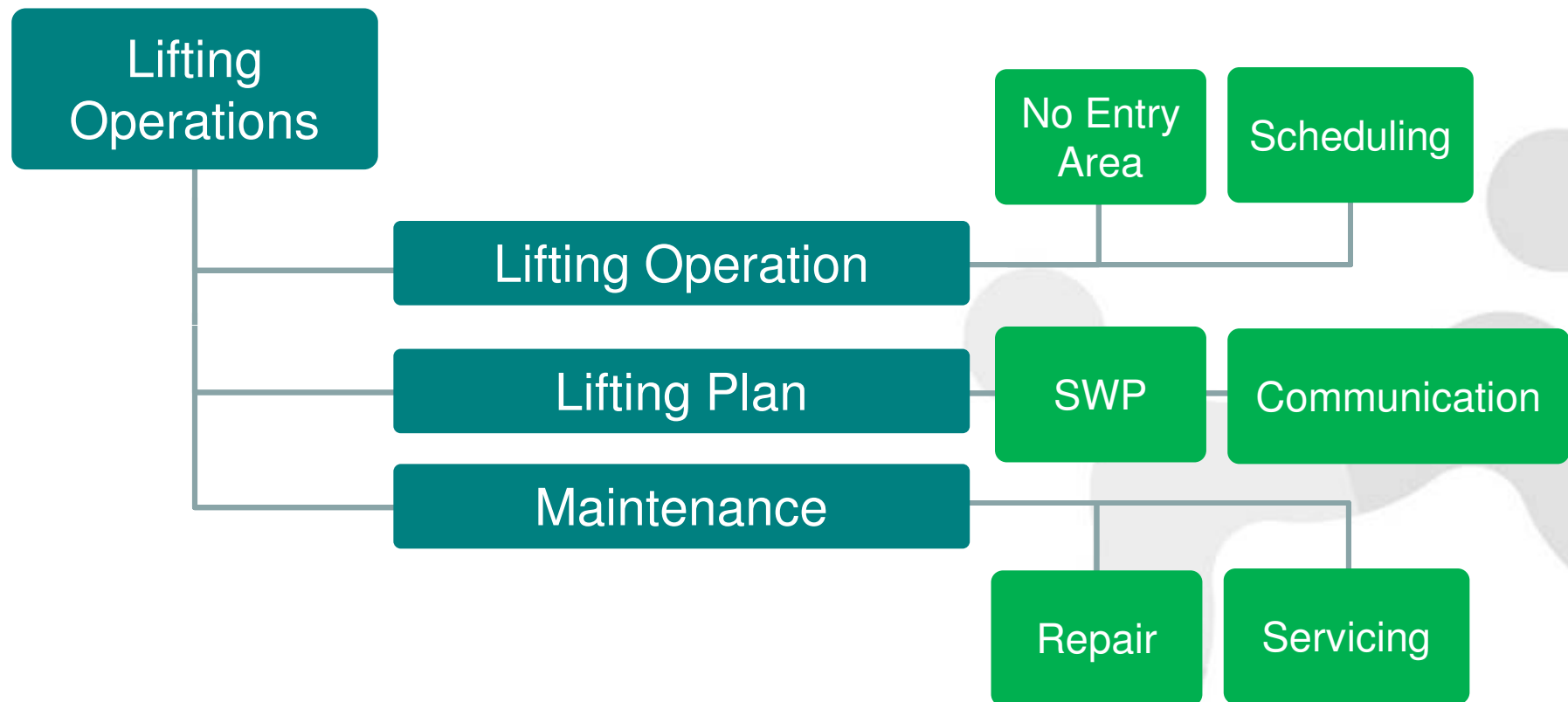
Stability of Load

Hazardous Load

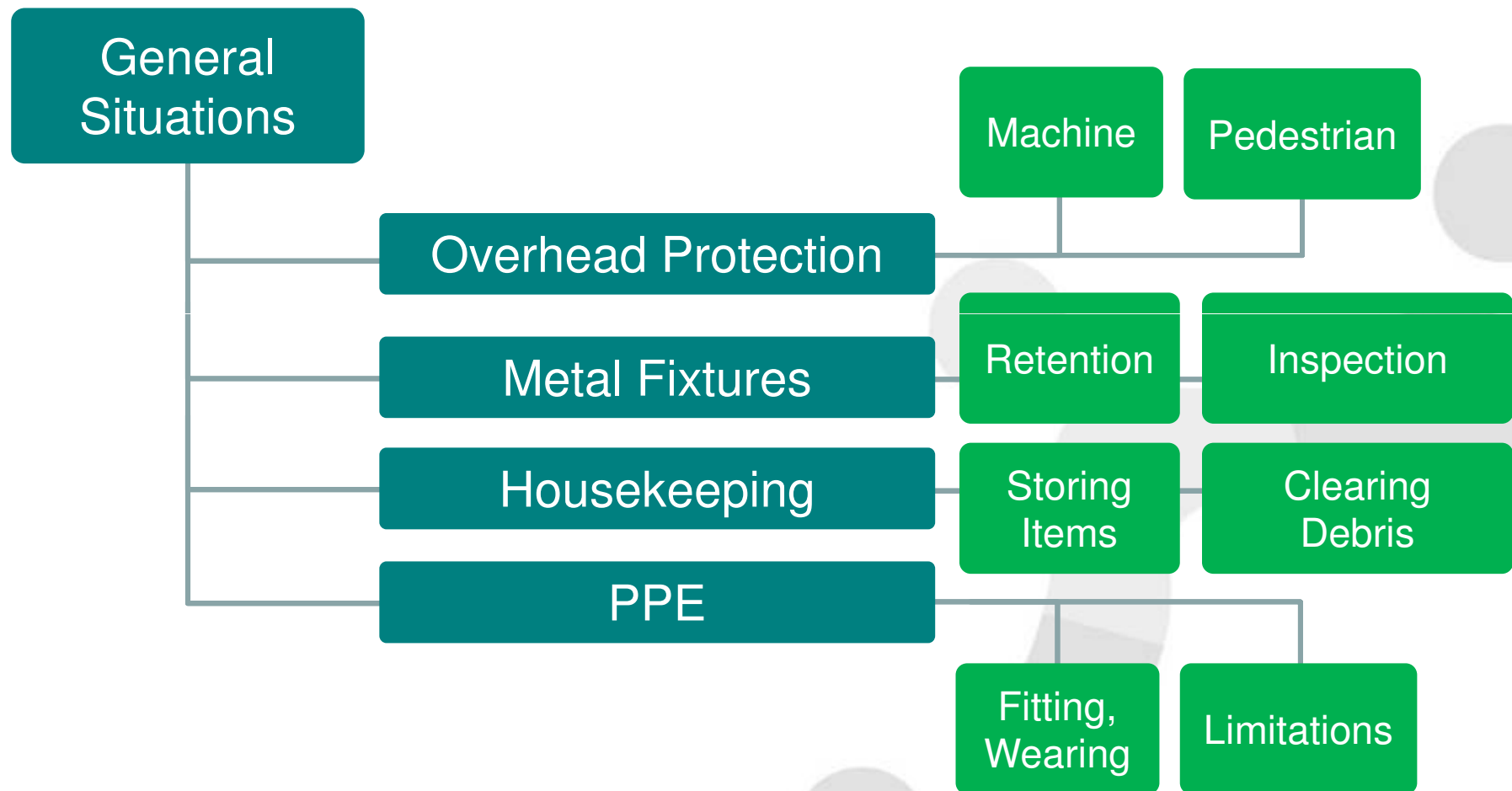
Travelling Equipment Safety



# Lifting



# General Safety





# Thank You



# Guidelines for Workplace Traffic Safety Management

## Overview



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# Workplace Safety & Health Guidelines

## Traffic Safety Management



## Focus

## Traffic within Workplace

# Introduction



- **Workplace Traffic – an integral part of work activities**
- **Can be hazardous if not managed well**
  - **Fatalities**
  - **Serious injury**

# Purpose



- **Help in identifying traffic hazards**
- **Traffic management plan**
- **Make workplace traffic safe**
- **Meant for use across industrial sectors**



# Typical List of Vehicles



## Types of vehicles covered:

- Forklifts / telescopic handlers
- Mobile cranes / lorry cranes
- Prime movers / trailers and heavy trucks / lorries
- Stackers
- Mobile Elevated Work Platforms (MEWP)
  - scissor lifts and boom lifts



## Other applicable vehicles in the workplace:

- Passenger vehicles used within construction sites
- Dumpers/Excavators and other construction equipment



# Traffic Management Plan



## Main Elements:

- Workplace traffic planning
  - Risk assessment
  - Traffic layout / routes
  - PPE
- Safe movement / operation
  - General
  - Specific
- Duties and responsibilities
- Traffic signs
- Housekeeping





# Workplace Traffic Planning

## Traffic Layout / Routes



- Planned based on risk assessment
- Potential collision areas
  - Fencing
  - Marking on floor
  - Signs
- Visibility
  - Convex mirrors (blind corners)



## PPE

- Safety helmet
- Safety shoes
- Reflective vest





# Safe Movement / Operation General



- Pre-use check
- Manufacturer's instructions & warnings
- Keep within SWL
- Operator is trained and competent

A checklist for forklift operation. The form is titled "Checklist for Forklift" and includes fields for "Truck: T19", "Operator: [signature]", "Model: FNS6750C", and "MONTH OF: April' 09". Below these fields is a large grid with 28 columns (numbered 1 to 28) and 15 rows of items to check. The items are: 1. Brake/Steering wheel, 2. Horn, 3. Lights, 4. Fluids, 5. Hydraulic Hoses, 6. Tires, 7. Load Capacity, 8. Forks, 9. Mast, 10. Forks/Attachments, 11. Tyres Condition/Front, 12. Tyre Condition/Rear, 13. Horn, 14. Electrical Connections, 15. Mast Base, 16. Forks Alignment, 17. Lift & Lower Controls, 18. Braking System, 19. Operator's Seat, 20. Operator, 21. Supervisor, 22. Signature, 23. 24. 25. 26. 27. 28. The grid contains handwritten checkmarks and initials. At the bottom, there are three bullet points: "Bulleted: 1) Checklist must be completed every working day in the morning before operating machine.", "2) Operator's check will be signed off by the LSC or the Examiner if it is to be signed.", "3) Operator will be held responsible if checklist is not completed."

# Safe Movement / Operation



## Specific – Forklift / Stack

- Lower the forks when moving
- No raising of load over people
- Sound warning device when passing doorways or blind corners



## Specific – MEWP

- Other vehicles operating in the area – additional traffic control
- Overhead structures – overhead protection



# Duties and Responsibilities



## Management

- **Develop and implement traffic management plan**
- **Establish safety rules for traffic**
- **Ensure vehicles and equipment are maintained properly**
- **Ensure that workers are trained**
- **Provide & ensure proper use of PPE**

## Workers

- **Follow safety rules**
- **Attend training**
- **Use PPE properly**
- **Report damages...etc.**



# Traffic Signs



- **Warning and informing drivers and pedestrians**
- **Positioning is important**
  - **Easily seen**
  - **Give warning in advance**
- **For dark areas, use reflective or luminous signs**





# Housekeeping



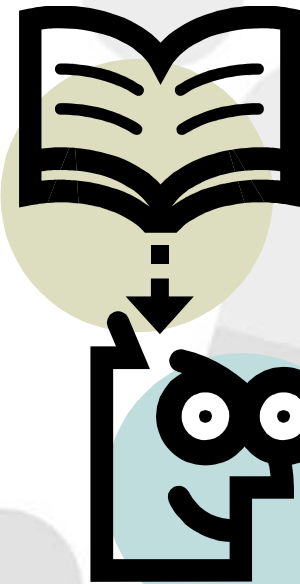
- **Traffic routes are to be kept clear of obstruction**
  - **Obstruction of sight / collision**
- **Fallen or spilled loads should be dealt with promptly**
- **Tripping or falling hazard should be removed promptly**



# Training / Competency



- **Mandatory training – Conducted by ATPs**
  - **Forklift driver's training course**
  - **Signalmen course**
- **In-house training**
  - **Orientation**



# Emergency Response



- **Emergency – e.g. collision**
- **Procedures**
  - **Raising alarm**
  - **Rescue, first aid**
  - **Evacuation**
  - **Reporting**
  - **ERT**
    - **roles and responsibilities of members**



# Thank You