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## 1.0 Persons Affected

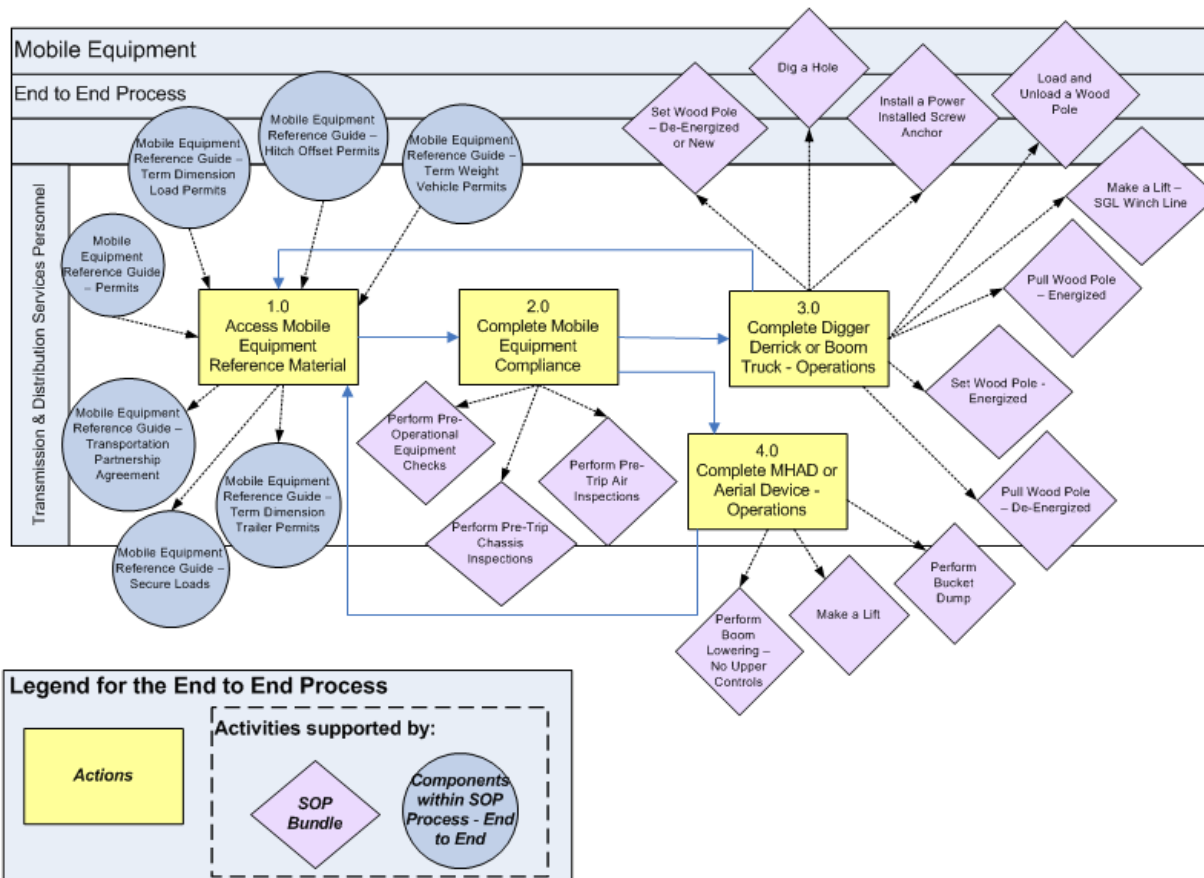
This Standard Operating Procedure (SOP) affects all Transmission & Distribution Services employees and contractors who operate, or assist in the operation of, a Material Handling Aerial Device (MHAD) or an Aerial Device.

## 2.0 Purpose

This SOP provides the standard for performing a bucket dump with a MHAD or Aerial Device to enable emergency extraction of personnel or for cleaning of the bucket.

The purpose of this procedure is:

- To establish a standard for performing a bucket dump within the Transmission and Distribution Services
- To provide a detailed job aid to employees and contractors who perform this procedure within the course of their job



## 3.0 Rationale

This SOP will support the safety of our personnel by ensuring safe working methods are consistently used for performing a bucket dump with a MHAD or an Aerial Device.

This SOP requires that work performed by Transmission & Distribution Services employees and contractors satisfies all applicable policies and regulations.

## 4.0 Scope

### In-the-Scope of the Procedure

- The procedure includes the following:
  - Determine if using hydraulic or manual dumping feature
  - Perform a hydraulic bucket dump
  - Perform a manual bucket dump

### Out-of-the-Scope of the Procedure

- The procedure does not include the following:
  - MHAD-Aerial Device - Perform Boom Lowering-No Upper Controls SOP
  - Associated Emergency Response
  - Aerial Devices not equipped with a bucket dumping feature

## 5.0 Policies and Regulatory Requirements

This SOP is a result of the following:

### Policies:

- SaskPower Hazard Control Policy

### Regulatory Requirement(s)

Saskatchewan Occupational Health and Safety Regulations, 1996

- Part XI: Powered Mobile Equipment
  - Section 155: Visual Inspection
  - Section 156: Inspection and Maintenance
  - Section 164: Dangerous Movements
- Part XII: Scaffolds, Aerial Devices, Elevating Work Platforms and Temporary Supporting Structures
  - Section 192: Aerial Devices and Elevating Work Platforms

### Other

Industry Standards

- Canadian Standards Association
  - C225-00 Vehicle Mounted Aerial Devices

Manufacturer's Specifications

SaskPower Safety Rulebook

# MHAD or Aerial Device - Perform Bucket Dump

## 6.0 Roles, Responsibilities and Prerequisites

In-the-Scope of the Procedure Role(s)	Quantity Required	Responsibilities	Prerequisites
Operator	1	1. Operate the equipment as per guidelines established in the following procedure.	1. As per OH&S regulations, an employee must be a competent aerial device operator or be under the supervision of a competent operator.

## 7.0 Tools and Equipment

### Tools and Equipment and Quantity Required:

- MHAD or Aerial Device
- MHAD or Aerial Device Operating Manual

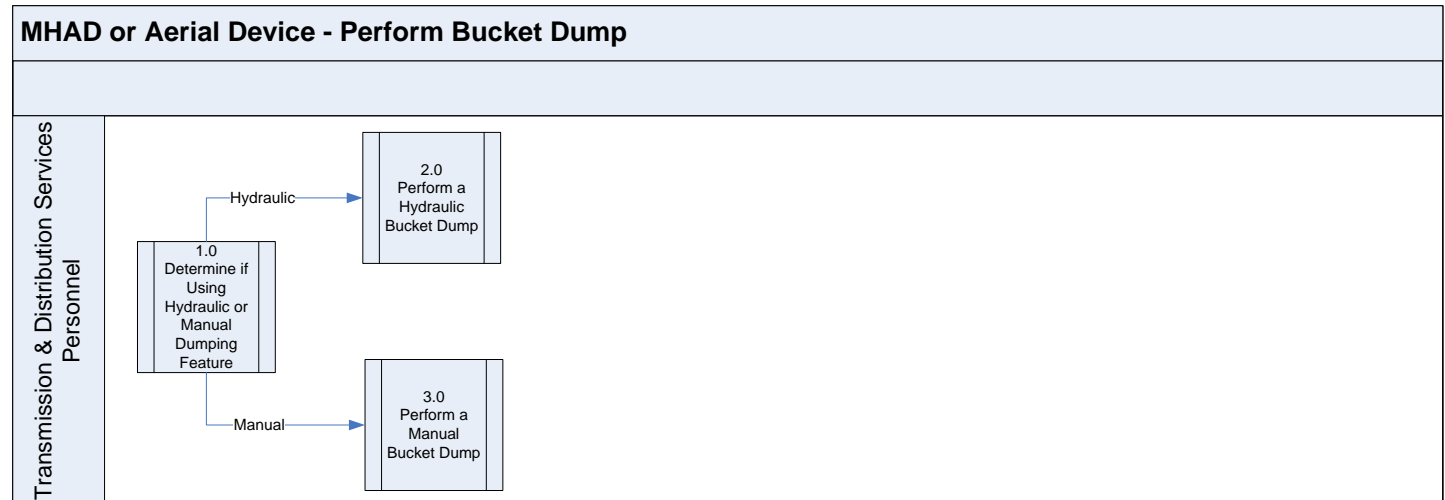
## 8.0 Planning and Preparation Checklist

### Things to Check Before Starting the Procedure:

- Completed Hazard and Risk Assessment and Job Plan
- Completed Fleet Services' Aerial Daily Inspection Checklist
- Completed TRNSP Compliance - Perform Pre-Trip Chassis Inspections SOP
- Completed TRNSP Compliance - Perform Pre-Trip Air Inspections SOP
- Completed Pre-Operational Equipment Checks - Perform Holding Valves Checks SOP
- Completed Pre-Operational Equipment Checks - Perform Equipment Checks SOP
- Applicable Personal Protective Equipment (PPE) is available and in good condition

## 9.0 Procedure

### High Level Flowchart



### The Procedure

This Standard Operating Procedure (SOP) covers the method for performing a bucket dump with a MHAD or Aerial Device equipped with a bucket dumping feature.

#### 1.0 Determine if Using Hydraulic or Manual Dumping Feature

1.1 Is the Unit Equipped with a Hydraulic Dumping Feature?

1.1.1 The Operator shall determine if the unit is equipped with a hydraulic dumping feature.

- *Yes, (equipped with hydraulic dumping feature), go to step 2.1 Execute Hydraulic Bucket Dump*
- *No, (not equipped hydraulic dumping feature), go to step 3.1 Execute Manual Bucket Dump*

#### 2.0 Perform a Hydraulic Bucket Dump

2.1 Execute Hydraulic Bucket Dump

2.1.1 The Operator shall position the boom.

- *Ensure the area is clear*
- *Ensure bucket is clear of tools and material*
- *Ensure the platform bottom is approximately one foot off the ground*
- *Move the selector valve to the proper controls*
- *As per manufacturer's specifications*

2.1.2 The Operator shall dump the bucket.

- *As per manufacturer's specifications*

- *Engage tilt control lever until the bucket tilts to the required position*
- *Return the platform to normal operating position*

2.1.3 End of Procedure.

### 3.0 Perform a Manual Bucket Dump

3.1 Execute Manual Bucket Dump

3.1.1 The Operator shall position the boom.

- *Ensure the area is clear*
- *Ensure bucket is clear of tools and material*
- *Ensure the platform bottom is approximately one foot off the ground*
- *Move the selector valve to the proper controls*
- *As per manufacturer's specifications*

3.1.2 The Operator shall dump the bucket.

- *As per manufacturer's specifications*
- *Locate the locking device on the bucket*

**Caution:** Avoid swing path once locking device is released.

- *Disengage locking device*
- *Use upper controls to raise or lower the boom to assist with the bucket dumping*
- *Return the platform to normal operating position*

3.1.3 End of Procedure.

## 10.0 Acronyms, Definitions and Symbols

### Acronyms and Abbreviations

**MHAD** - Material Handling Aerial Device

**SOP** - Standard Operating Procedure

**TRNSP** - Transportation

### Definitions

#### **Aerial Device:**

Any device, extensible, articulating, or both, that is primarily designed and used to position personnel. The device may also be used to handle material, if designed and equipped for that purpose.

#### **Competent Operator (OH&S Regulation 192 (5)(a)(b):**

(a) A worker who operates an aerial device or elevating work platform is trained to operate the device or platform safely; and



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(b) The training includes the manufacturer's instructions and recommendations, the load limitations, the proper use of all controls and any limitations on the surfaces on which the device or platform is designed to be used.

### Material Handling Aerial Device:

Is an aerial device equipped with a winch, jib, and lifting attachments.

### Platform:

The personnel-carrying component of an aerial device, such as bucket, basket, stand, or equivalent.

### Symbols

N/A

## 11.0 SOP Components

N/A

## 12.0 SOP Owner

### SOP Owner

Operations Supervisor

## 13.0 References

N/A