

1. SCOPE

This document details the procedures for achieving **Safety from the System** at a **Point of Isolation** when jumpers are to be disconnected.

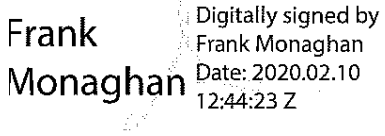
2. ISSUE RECORD

This is a **Reference** document. The current version is held on the EN Document Library.

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Issue Date	Issue No.	Author	Amendment Details
August 2004	1	R.W. Nelson	Initial Issue: 3 Page Document
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3. ISSUE AUTHORITY

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4. REVIEW

This is a Reference document which has a 5 year retention period after which a reminder will be issued to review and extend retention or archive.

5. DISTRIBUTION

This document is part of the Management Safety Procedures but does not have a maintained distribution list.

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7. INTRODUCTION

Basic Safety Rule A1.1 requires that the fundamental protection for **Persons** working on or testing **Plant** or **Apparatus**, and the achievement of **Safety from the System** shall be achieved by the fulfilment and maintenance of the safety precautions established.

After jumpers are disconnected, and the break is to be established as a **Point of Isolation**, the following procedures shall be adopted to ensure that the **Point of Isolation** is maintained.

8. JUMPERS AT A POINT OF ISOLATION

8.1 Steel Towers

Jumpers shall be either,

- Totally removed, or
- Disconnected at the end that is to be made **Live** again, and securely bolted or clamped onto the steelwork. If bolted or clamped connections are used, these may be utilised as a **Primary Earth**.

8.2 Wood Poles

a. Low Voltage

Jumpers shall be either,

- Totally removed (refer to OPSAF-12-013 (LWM.5.1) procedure WL1.20), or
- Disconnected and secured (where reasonably practicable on the side to remain not **Live**) with either a mechanical clamp or securely bound-in.

Methods such as securing jumpers using insulation tape, zip ties, or bending to achieve separation etc shall not be used to establish a **Point of Isolation**.

The **Authorised Person** shall ensure that the physical gap established is sufficient to maintain the integrity of the **Point of Isolation**.

b. High Voltage

Jumpers shall be either,

- Totally removed, or
- If, in the judgement of the **Senior Authorised Person**, total removal is not considered to be reasonably practicable, e.g. cutting insulated jumpers, cutting 33 kV pre-formed tails or 'snail' dead end, then for:

Rigid jumpers (bare or PVC covered) - the jumpers shall be disconnected and each jumper secured (where reasonably practicable on the side to remain not **Live**) with either a mechanical clamp or securely bound in.

Flexible jumpers – either,

- the jumpers shall be disconnected and each jumper secured (where reasonably practicable on the side to remain not **Live**) on a permanent parking bar, **Live** line bail,

or

- the OPSAF-12-016 (LWM 5.4) non-parking method used.

It is not permitted to bolt / clamp jumpers onto steelwork or to use methods such as insulation tape, zip ties or bending jumpers to establish a **Point of Isolation**.