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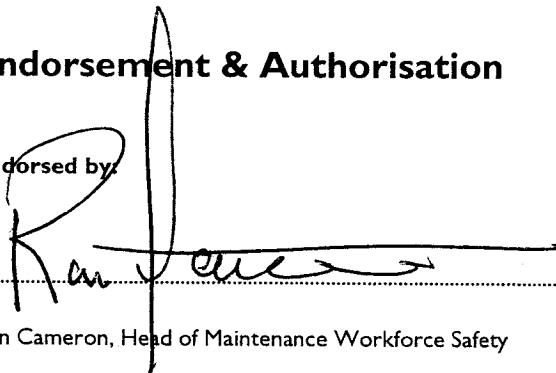
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Business Process Document

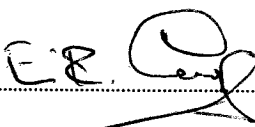
Welding Process – Use of welding umbrella and support clamp

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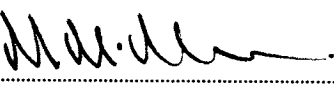
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Issue record

Issue	Date	Comments
1	February 2007	First document to establish the consistent use of approved welding umbrella and support clamp

Implementation

This Business Process Document shall be implemented with effect from the date of publication on 3 February 2007.

Compliance

This Network Rail Work Instruction is mandatory when welding umbrellas have been identified for use and must be complied with by staff and Contractors working for Network Rail by 3 February 2007.

The National Track Engineer (Welding) has specified that all projects, renewals and maintenance works will comply with the requirements of this Work Instruction. Specific authority not to comply can be sought in the usual manner using the appropriate non-compliance authority processes described in Network Rail Standard, NR/SP/STP/045 (formerly RT/LS/P/045) Managing the process for Non-compliance Authority.

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1 Purpose

The equipment and processes described in this Business Process Document are to be used by Network Rail and Contractors welding staff for the protection from the weather of staff, materials and worksites whilst installing aluminothermic welds and carrying out maintenance arc welding.

2 Scope

The use of the welding umbrella and support clamp shall be considered for every weld location on Network Rail owned infrastructure and implemented wherever protection against the elements is required to enable the successful implementation of a weld.

This Business Process Document has been produced to define how the welding umbrella and support clamp is to be erected and taken down at welding sites. There is currently one type of welding umbrella and support clamp with a Product Acceptance Certificate. The James Ince / Lawton Tools welding umbrella and support clamp is covered by this document and is subject to a Network Rail Work Activity Risk Assessment; GA 77.

With effect from the implementation date of this document, only equipment and processes identified herein may be used on Network Rail Controlled infrastructure

3 Reference documentation

[NR/SP/TRK/032](#) Joining of rails by aluminothermic welding
[NR/SP/TRK/132](#) Maintenance arc welding of rails, switches and crossings
[TWI 2G095](#) Track Work Instruction: James Ince /Lawton Tools Welding Umbrella and Support Clamp

4 Definitions

Aluminothermic - a process by which two rails are permanently butt-welded together by the introduction of cast metal

Welding umbrella - a demountable, temporary structure which shall be used to protect staff, materials and worksites from the weather

Welder - a person who has been trained and tested and who is currently certificated to carry out defined welding processes and procedures

Assistant/Trainee Welder - a person who has been trained and tested and who is currently certificated to assist a Welder in carrying out defined processes and procedures