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Form F01a/CCCM	Application Form for Rail Welding	Rev 1 Dec 2020



## BS EN ISO 3834 Part 2 for Welding of Rail and Track Components

### 1 Applicant Information

Name of the Company/Organisation to be assessed

Address of the Company/Organisation to be assessed

Telephone

Email

Number of facilities to be in Certification Scope (attach separate sheet with individual addresses)

### 2 Certification Issued by Other Organisations/Bodies (eg ISO 9001)

If yes, specify the following:

Type of Certification (Standard)	Certification Body	Date of Issue	Date of expiry

### 3 Information to Support Application for Assessment

3.1 Total number of persons in company:

Function (Location)	Total number of persons	Number of persons involved in welding and production activities

Continue on a separate sheet if necessary

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3.2 Welding and welding allied processes used:

RISQS Product Codes:

- |                               |                          |          |
|-------------------------------|--------------------------|----------|
| Aluminothermic                | <input type="checkbox"/> | 07.05.01 |
| Arc (MAG)                     | <input type="checkbox"/> | 07.05.02 |
| Arc (MMA)                     | <input type="checkbox"/> | 07.05.02 |
| Flux-Cored Arc Welding (FCAW) | <input type="checkbox"/> | 07.05.02 |
| Flash Butt                    | <input type="checkbox"/> | 07.05.03 |
| Other (please describe)       | <input type="checkbox"/> |          |

3.3 Type of production

- Track/site welding       Workshop/factory welding

3.4 Parent materials

a) Which of the following rail materials are welded:

- |  |                          |
|--|--------------------------|
| EN R220 Grade (BS11 Normal Grade)      | <input type="checkbox"/> |
| EN R260 Grade (BS11 and UIC Grade 'A') | <input type="checkbox"/> |
| BSC AREA 90                            | <input type="checkbox"/> |
| Rolled Bainitic                        | <input type="checkbox"/> |
| BS11 Grade B                           | <input type="checkbox"/> |
| UIC Grade B                            | <input type="checkbox"/> |
| 90kg/mm <sup>2</sup> Chrome            | <input type="checkbox"/> |
| 110kg/mm <sup>2</sup> Chrome           | <input type="checkbox"/> |
| MHT                                    | <input type="checkbox"/> |
| MHH Microalloyed Head Hardened         | <input type="checkbox"/> |
| HP High Performance                    | <input type="checkbox"/> |
| LCAMS Manganese W                      | <input type="checkbox"/> |
| HCAMS Manganese                        | <input type="checkbox"/> |
| R 350 HT (HT 340-370)                  | <input type="checkbox"/> |
| Conductor Rail                         | <input type="checkbox"/> |
| Other (EN 13674-1)                     | <input type="checkbox"/> |
| Specify:                               |                          |

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- b) Other parent materials welded (reference to the relevant groups of the CEN ISO/TR 15608 should be made) and related thickness ranges or product type

Parent material	Thickness range/product type

### 3.5 Products/applications

- a) For Network Rail contracts, which specifications do you work to:
- NR/L2/TRK/0032 – Joining of rails by aluminothermic welding:
- NR/L2/TRK/0132 – Maintenance arc welding of rails, switches and crossings:
- NR/SP/TRK/130 (RT/CE/S/130) – Flash-Welded Rails: Site-Welded Strings
- b) For London Underground contracts, which specifications do you work to:
- T0432 - Installation, Inspection and Reporting of Aluminothermic Welding
- T0436 - Weld repair of plain rails, switches and crossings
- T0433 - Conductor Rail arc welding
- T0431 – Flashbutt Welding Of Rails
- c) Other type(s) of rail product(s) that are welded eg light rail, grooved rail, heavy rail
- d) Other standards and/or specifications applied
- e) Other standards used for welding procedure approval:
- f) Do you have a WPQR/WPS (Welding Procedure Qualification Record/Welding Procedure Specification) Register? Yes  No

(Please note this will not be required for NR and LU contracts working to the specifications in 3.5 above).

### 3.6 Which activities are generally subcontracted?

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3.7 Welding Co-ordination Personnel

Is the Responsible Welding Coordinator (RWC) subcontracted? Yes  No

Please enclose copies of qualifications and relevant training and a CV for each RWC.

3.8 Welders

For Network Rail/London Underground contracts:

are welders certified in accordance with NR/L2/CTM/222? Yes  No

are welder competences recorded on Sentinel2? Yes  No

For rail welding other than Network Rail or London Underground contracts, please supply a current \*Welder Qualification Register - If you do not have a register please provide the general information below

No. of Welders	Qualification Code	Additional relevant information

3.9 Welding Inspection and NDT Inspection

a) For Network Rail contracts, which specifications do you work to:

NR/L2/TRK/001:

NR/L2/TRK/053:

NR/L2/TRK/1054:

b) For London Underground contracts, which specifications do you work to:

T0432 - Installation, Inspection and Reporting of Alumino-thermic Welding

S1176 - Inspection and repair to reduce the risk of derailment at switches

S1175 – Inspection of Cast Crossings and Cast Vees

For other methods

Name/Number of NDT Staff	NDT Method	Qualification	Name/Number of Weld Inspection Staff	Qualifications

Please use separate sheet to list further inspection staff

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### 3.10 Equipment

All workshop equipment and mobile workshop equipment crucial to the welding process and requiring approval for use on site will be subject to assessment. Do you have the following:

- Equipment maintenance schedule Yes  No
- Equipment calibration schedule Yes  No
- Network Rail/ London Underground approvals for equipment Yes  No

For Network Rail/ London Underground contracts, do you use gauges made to the following drawings:

- RE/PW/425 S&C maintenance gauge Yes  No
- RE/PW/429 Switch wear gauge Yes  No
- RE/PW/430 Switch blade radius gauge Yes  No
- RE/PW/436 Switch blade angle gauge Yes  No
- ABT4269 Combination Gauge (Adjustable/Folding) 039/028311 Yes  No
- ABT4267 Combination Gauge (Adjustable) 039/028312 Yes  No

### 3.11 Forming, Machining and Cutting Facilities and Processes (Answer Y/N as appropriate)

Type	Typical (Thickness/ Size)	Type	Maximum (Thickness/Size)
Air arc		Grinding	
Oxy/fuel – hand		Blasting (shot etc)	
Gantry N/C CNC		Pressing	
Plasma		Folding	
Light weight tractor m/c		Rolling, cold	
Edge planing/milling		Rolling, hot	
Shearing			
Sawing			
Other			

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### Formal Contact with TWI Certification Ltd

Applicant company contact person and function:

Name:

Function:

Address:

Telephone:

Email:

Date:

Signature:

**General note: Please attach additional sheets, referenced with correct item number if more space is required for any of the above items.**

When completed, please return the form to the address below:

A/O: Company Certification  
TWI Certification Ltd  
Granta Park  
Great Abington,  
Cambridge  
CB21 6AL

**Email:** [companycertification@twi.co.uk](mailto:companycertification@twi.co.uk)