

PMSafety Consultants Ltd.

Safety Case

“The Safety Case is essentially a document to convey the safety justifications for a facility or design, together with any operational constraints that might apply.”

SAFETY CASE



PMSC Limited provides Systems Assurance advice to a wide range of customers both in the UK and Internationally. A key systems safety requirement in the UK and Europe, is the production of a Safety Case for review and acceptance by regulatory authorities. Similar requirements are also found in Hong Kong, Singapore and Taiwan where rail transit systems are important to the local economy.

YELLOW BOOK



Recently, PMSC has been working extensively with Network Rail in the UK on railway projects including infrastructure change and upgrade. Specifically, a recent project has been the preparation of a Safety Case for a major radio operator for their TETRA Digital Repeater System which is being located on railway stations across the UK.

EN 50126



The Safety Case was prepared using both EN50126 and the Network Rail Yellow Book as guiding standards.

INFRASTRUCTURE CHANGE



Our experienced advisors are also assisting Siemens Transportation Limited in Germany with the provision of Systems Safety Assurance support to the DESIRO UK team for the Heathrow Express, South West Trains and West Coast Main Line projects.

ROLLING STOCK



PMSC would like to offer similar Safety Case coordination and production services to the UK Railway Sector.

SYSTEM ASSURANCE



Please turn over for further examples of Safety Case projects completed by PMSC.



PM Safety Consultants Limited
www.pmsafety.co.uk

PMSC Ltd. Suite D, Third Floor, Saturn Business Facility, 101 Lockhurst Lane
Coventry, Warwickshire CV6 5SF
Tel: +44(0)24 76 665770
Email: office@pmsafety.co.uk

Fax: +44(0)24 7658 2401
Website: www.pmsafety.co.uk

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Safety Case

Safety Case Work Undertaken by PMSC

MDT LONDON

Safety Case for the TETRA Digital Radio Repeater system for submission to the Network Rail Midlands Region Safety Review Group (including Product and Implementation Safety Cases).

NUCLEAR INSTALLATIONS INSPECTORATE

Peer review of the D1208 Safety Case written by UKAEA at the Dounreay Nuclear Site.

MIKOM UK LIMITED

Contractors Assurance Case to meet the requirements of the Network Rail Line Standard RT/LS/P/016.

TAIWAN SHINKANSEN CONSORTIUM

Safety operational review of the JR Central Tokaido Shinkansen System (Tokyo to Shin-Osaka).

TAIWAN SHINKANSEN CONSORTIUM

Safety Case scoping study for the new High Speed Railway Project in Taiwan (Concept and Preliminary Design).

NETWORK RAIL

Safety Case process Audit and Review for the Thameslink 2000 and associated CTRL blockade project, against Network Rail Yellow Book requirements.

KAWASAKI

Safety Case for the new C751B 6 Car Electrical Multiple Unit to run on the Changi Extension Line in Singapore following Defence Standard 00_56 requirements.

KAWASAKI

Operational Safety Report for the Kowloon Canton Railway Corporation, KCRC for the operation of the new SP1900 Electrical Multiple Units to operate on the existing East Rail Line and newly provided West Rail Line.

NUCLEAR INSTALLATIONS INSPECTORATE

Peer review of the DML SRC 80 Te Crane Safety Case and supporting Fault Tree Analysis.

RAILTRACK

Safety Case for the Eurostar Infrastructure upgrade to run on the East Coast Main Line, ECML (including Networker upgrades for Driver Only Operation up to Kings Lynn).

NUCLEAR INSTALLATIONS INSPECTORATE

Peer review of the DML Safety Case for the Operations within 14 and 15 Docks and a reconstruction and assessment of the associated Fault Tree Analysis.

NUCLEAR INSTALLATIONS INSPECTORATE

Peer review of the DML Safety Case for the Overside Services at 9 Dock.

CONOCO UK LIMITED

Production of the Safety Case Handbook and peer review of section 5 of the Safety Case (Hazards Assessment).

MARATHON OIL

Production of a Safety Case Handbook for Marathon Oil operation in the North Sea.

NUCLEAR ELECTRIC

Assistance towards the Sizewell B Pre-Construction (PCSR) and Pre-Operational (POSR) Safety Cases including Initiating Fault Schedules

FERSON CONTRACTORS

Production of Contracts Safety Case for Ferson Contractors to allow them to work on the Railtrack station regeneration project

BNFL

Fully Developed Safety Case for a Salt Evaporator Plant B303 at Sellafield

BLUE PRINT RAIL ENGINEERING

Safety Case and Risk Assessment to allow the reintroduction into revenue service of the Low Track Force Bogie (LTF-25), after axle failures in service.



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PMSC Ltd, Suite D, Third Floor, Saturn Business Facility, 101 Lockhurst Lane
Coventry, Warwickshire CV6 5SF
Tel: +44(0)24 76 665770
Email: office@pmsafety.co.uk

Fax: +44(0)24 7658 2401
Website: www.pmsafety.co.uk