

Overview
Statutory Inspection in Ireland

RISK CONTROL SURVEYORS

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Inspection Business
Manager - Ireland



17th Sept 2014

Who We Are



RSA Engineering Inspection & Consultancy



Heritage Going Back 154 Years

Born from Robert Longridge & The Manchester Steam Users Association

National Vulcan 1859 & British Engine 1878

1997 Merger of Royal Insurance & Sun Alliance

HQ in York Street, Manchester

400 Engineer Surveyors UK & Ireland

17 in ROI & 24 in NI

20 Unit Leaders (ROI = 1 & NI = 1)

8 Account Managers

6 Business Development Managers

24 Consultant Engineers

30 Technical Support Engineers

100 Operational Support Staff

Legislation



Previous Legislation

- Factories Act 1955
- Safety in Industry Acts 1955 & 1980
- Docks Regulations 1960
- Shipbuilding & Ship Repairing Regulations 1975
- Mines & Quarries Regulations 1972
- Construction Regulations 2001

VARIOUS SECTIONS REVOKED AND REPLACED WITH...

SI 299 of 2007

Safety, Health & Welfare at Work
(General Application) Regulations 2007

Legislation

SI 299 of 2007



Safety, Health & Welfare at Work (General Application) Regulations 2007

DEALS WITH...

- THE WORKPLACE
- USE OF WORK EQUIPMENT
- PPE
- MANUAL HANDLING
- DISPLAY SCREEN EQUIPMENT
- ELECTRICITY
- WORK AT HEIGHT
- NOISE AND VIBRATION
- RISK GROUPS
- SAFETY SIGNS & FIRST AID
- EXPLOSIVE ATMOSPHERES

Legislation

SI 299 of 2007



Safety, Health & Welfare at Work (General Application) Regulations 2007

DEALS WITH...

- THE WORKPLACE
- **USE OF WORK EQUIPMENT**
- PPE
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- WORK AT HEIGHT
- NOISE AND VIBRATION
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Legislation

SI 299 of 2007

Safety, Health & Welfare at Work (General Application) Regulations 2007

For the First Time Includes...

ALL WORK EQUIPMENT IN ALL WORKPLACES

(ANY PLACE WHERE ANY WORK IS DONE AT ANY TIME)

Substantially broadening the scope.

- ✓ OFFICES
- ✓ APARTMENTS
- ✓ HOSPITALS
- ✓ SHOPS
- ✓ NURSING HOMES
- ✓ FARMS



Legislation

SI 299 of 2007

Safety, Health & Welfare at Work (General Application) Regulations 2007

Detailed requirements to ensure all work equipment remains safe:

REGULATION 30

PERIODIC INSPECTION OF ALL WORK EQUIPMENT

REGULATION 52

ADDITIONAL REQUIREMENTS FOR LIFTING EQUIPMENT

PART 10

ADDITIONAL REQUIREMENTS FOR PRESSURE EQUIPMENT



REGULATION 30

PERIODIC INSPECTION OF ALL WORK EQUIPMENT

- INITIAL INSPECTIONS (MANUFACTURE AND INSTALLATION)
- PERIODIC INSPECTION TO A DEGREE THAT THE WORK EQUIPMENT DOES NOT DETERIORATE TO AN UNSAFE CONDITION
- INSPECTION IF CHANGE OCCURS
- RECORDS KEPT FOR 5 YEARS
- REGULATION 31 COVERS MAINTENANCE



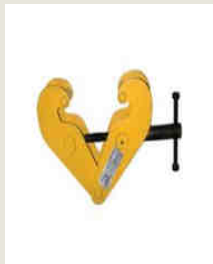
REGULATION 52

ADDITIONAL REQUIREMENTS FOR LIFTING EQUIPMENT

WITHOUT PREJUDICE TO REGULATION 30...

- INITIAL TEST & THOROUGH EXAMINATION (MANUFACTURE AND INSTALLATION). TEST CERTIFICATE. CE MARKING. DECLARATION OF CONFORMITY.
- PERIODIC THOROUGH EXAMINATION BY A COMPETENT PERSON AT SPECIFIED INTERVALS (SCHEDULE 1 PART B)
- PERIODIC LOAD TESTING (SCHEDULE 1 PART C)
- SOME NAMED EXCLUSIONS – BUT NOT MANY (SCHEDULE 1 PART D)
- RECORDS KEPT FOR 5 YEARS

EXAMPLES OF LIFTING EQUIPMENT - REGS 30 & 52



REG 53 - REPORTING

REG 52 EXAMINATIONS ARE SEPARATE FROM MAINTENANCE EXAMINATIONS

REPORT CONTAINS ALL PRESCRIBED PARTICULARS (SCHEDULE 1 PART E)

MUST REFLECT POSITION AS FOUND

REPAIRS → ADVISE OWNER & USER IN WRITING (X50J - handwritten on site at time)

IMMEDIATE DEFECTS → COPY REPORT TO HSA WITHIN 20 DAYS

REG 54 – OWNER /USER MUST KEEP A REGISTER OF LIFTING EQUIPMENT (RSA eREPORT)

REPORT OF THOROUGH EXAMINATION OF LIFTING EQUIPMENT	
Safety, Health and Welfare (Plant) (General Application) Regulations 2017	
<p>By my report I am certifying to the responsible person:</p> <p>Date: 12/01 Plant: PHS200170 Serial: 12</p>	
1. Name (including name)	CENTRAL ENGINE MOTORS LTD
2. Address	CENTRAL ENGINE MOTORS BARREN COFFSHAM
<p>This report has been completed in accordance with the regulations and I declare that I am not providing a false or misleading report.</p>	
3. Address of the responsible person	As above
4. Description of the equipment	MOTOR VEHICLE LIFTING TABLE
5. Designation/serial	401120
6. Make/size	WORTHINGTON
7. Use of equipment	2000
8. Lift Lifting level (in metres) or other unit	200kg
9. Working conditions	Thorough examination carried out within an interval of 12 months since Regulation (EU) Part B of Directive 2006/42/EC was last complied with.
10. Defects observed	None.
11. Defects observed	None.
12. Defects observed	None.
13. Defects observed	None.
14. Defects observed	None.
15. Defects observed	None.
16. Defects observed	None.
17. Defects observed	None.
18. Defects observed	None.
19. Defects observed	None.
20. Defects observed	None.
21. Defects observed	None.
22. Defects observed	None.
23. Defects observed	None.
24. Defects observed	None.
25. Defects observed	None.
26. Defects observed	None.
27. Defects observed	None.
28. Defects observed	None.
29. Defects observed	None.
30. Defects observed	None.
31. Defects observed	None.
32. Defects observed	None.
33. Defects observed	None.
34. Defects observed	None.
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92. Defects observed	None.
93. Defects observed	None.
94. Defects observed	None.
95. Defects observed	None.
96. Defects observed	None.
97. Defects observed	None.
98. Defects observed	None.
99. Defects observed	None.
100. Defects observed	None.

LIFTS

REG 30 & REG 52

REG 30

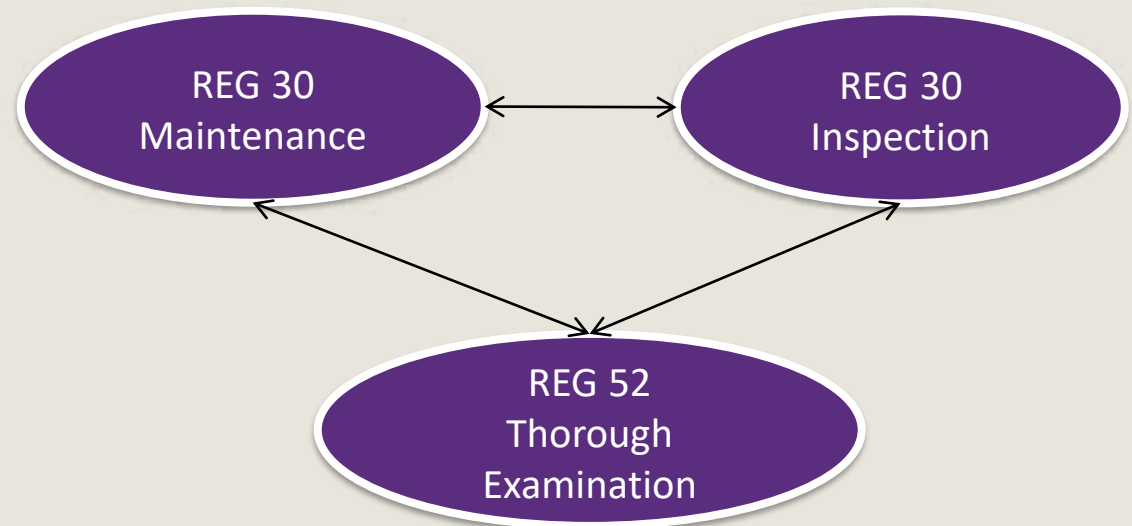
Inspection & Maintenance

Service Contract Usually in Place

REG 52

Thorough Examination by a Competent Person

Inspection Body e.g. RSA EI&C



LIFTS

HSA Safety Alerts



2009
GOODS LIFTS USED
BY PERSONS &
THOROUGH
EXAMINATION

FATHER OF TWO
FOUND CRUSHED TO
DEATH IN LIFT SHAFT
OF PUB

3 HOSPITALISED
AFTER KILLARNEY
HOTEL LIFT DROPS 4
FLOORS

2011
INSTALLATION &
THOROUGH
EXAMINATION

2014
DESIGN (CAR DOOR
ACTIONS UNDER
FAULT CONDITIONS)
& THOROUGH
EXAMINATION

TODDLER (3) CRUSHED
TO DEATH IN GALWAY
LIFT SHAFT

LIFTS

HSA Safety Alerts

HSA Safety Alerts 2009, 2011 & 2014

Lifts (passenger, goods or both) are subject to a **6 monthly thorough examination by a competent person** after which the competent person must issue a **report** of the examination which contains **all the information prescribed** in the Regulations.

Thorough examinations should not be confused with normal maintenance activities.

Those responsible for the operation of lifts should ensure that they have a **current report of thorough examination**. They should also be in possession of a **log-book** where details of any repairs or checks have been recorded.



WHEN
IS
A
THOROUGH
EXAMINATION
NOT
A
THOROUGH
EXAMINATION
?

WHEN IT IS NOT COMPLETED BY A COMPETENT PERSON



WHEN THE REPORT DOES NOT CONTAIN THE PRESCRIBED PARTICULARS



WHEN A KEY PART OF THE THOROUGH EXAMINATION IS DELEGATED BACK TO THE OWNER



WHEN THE EXAMINATION IS NOT COMPLETED AT THE STATUTORY INTERVALS

WHAT
CAN
A
BROKER
OR
EMPLOYER
DO
?

USE ONE OF THE FULLY
ACCREDITED MAINSTREAM
'SAFED' COMPANIES
(www.safed.co.uk)



ACCEPT THAT PRICE IS NOT THE ONLY
FACTOR

ASK THE QUESTIONS ABOUT TIMELINESS
OF INSPECTIONS ACROSS THE FULL BOOK
OF BUSINESS

ON REPORTS, LOOK OUT FOR DELEGATED
TASKS WHICH SHOULD BE PART OF THE
THOROUGH EXAM

USE A COMPANY THAT PROVIDES
TRANSPARENCY FOR CLIENT & BROKER
THROUGH AN ELECTRONIC REPORTING
TOOL (e.g. E-REPORT FROM RSA)

PART 10 - DETAIL

RSA Ireland Broker Academy



PART 10 – SI 445 of 2012

ADDITIONAL REQUIREMENTS FOR PRESSURE EQUIPMENT

- NO LONGER JUST 'STEAM AND AIR' - NO LONGER JUST 'FACTORIES'
- ALL WORK EQUIPMENT IN ALL WORKPLACES
- ANY PRESSURE SYSTEM CONTAINING A **RELEVANT FLUID**
 - ✓ STEAM
 - ✓ GAS > 0.5 BAR GAUGE
 - ✓ PRESSURISED LIQUID WHERE VAPOUR > 0.5 BAR GAUGE
- NOTABLE EXCEPTIONS
 - × NON STEAM VESSELS < 250 BAR LITRES
 - × PRESSURE VESSELS < 0.5 BAR GAUGE
 - × HOT WATER BOILERS BELOW 110°C
 - × REFRIGERATION PLANT < 25KW INPUT POWER

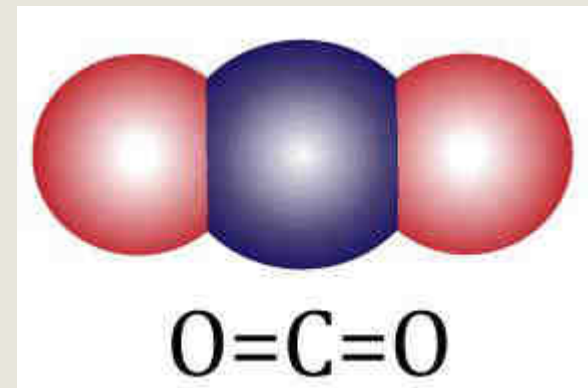
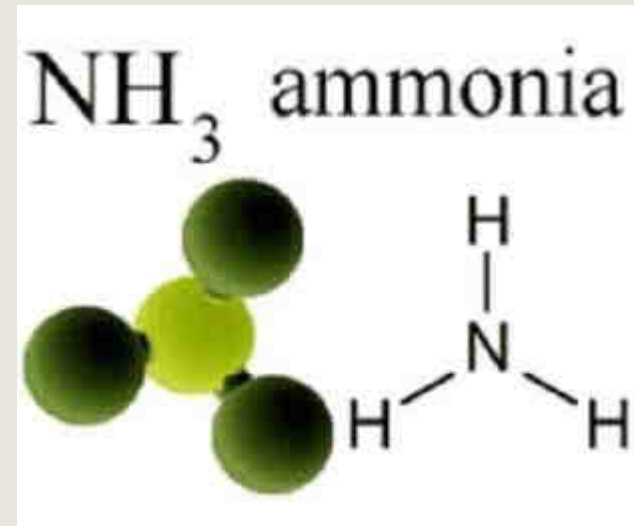
PART 10 – SI 445 of 2012

ADDITIONAL REQUIREMENTS FOR PRESSURE EQUIPMENT

- SELECTION, INSTALLATION, OPERATION & MAINTENANCE
- INSPECTION AFTER INSTALLATION/COMMISSIONING
- PERIODIC THOROUGH EXAMINATION BY COMPETENT PERSON
- TYPICALLY.....
 - STEAM & BOILER PLANT 14 MTHS
 - OTHER VESSELS 26 MTHS
- REPORTS – PRESCRIBED PARTICULARS
- REGISTER – RSA eREPORT IS IDEAL
- REPAIRS – SEEK GUIDANCE OF COMPETENT PERSON

Relevant Fluids

- Some fluids >0.5 bar(g)
 - Nitrogen
 - Oxygen
 - Helium
 - Carbon dioxide
 - Natural gas
 - Ammonia
 - Refrigeration gases (Freons)
 - Chlorine
 - Hydrogen
 - Water above 110 deg.C
 - LPG (propane / butane) **



EXAMPLES OF PRESSURE EQUIPMENT - REGS 30 & PART 10



EXAMPLES OF PRESSURE EQUIPMENT - REGS 30 & PART 10



Stored Pressure Energy



EXAMPLE	TYPICAL LOCATION	PRESSURE VOLUME	TNT EQUIVALENT	TYPICAL DAMAGE
POCKET LIGHTER	TROUSER POCKET	NOTIONAL	0.15g FIREWORK	PERSONAL INJURY
LIGHTER REFILL CANNISTER	YOUR HOME	0.3 BAR 0.0006M ³	25g THUNDER-FLASH	SEVERE INJURY RISK TO LIFE & PROPERTY
SMALL GAS CYLINDER (4.5KG)	BARBECUE	13 BAR 0.012M ³	120g HAND GRENADE	SEVERE INJURY POSSIBLE LOSS OF LIFE. SLIGHT DAMAGE TO PROPERTY
AIR RECEIVER (250 BAR LITRES)	LOCAL GARAGE	10 BAR 0.25M ³	300g ANTI-PERSONNEL MINE	SEVERE INJURY PROBABLE LOSS OF LIFE. MEDIUM DAMAGE TO PROPERTY
STEAM BOILER (1000KG / HOUR)	DRY CLEANERS	10 BAR 1.5M ³	2kg ANTI-TANK MINE	SEVERE INJURY / LOSS OF LIFE (SINGLE FIGURES) SEVERE DAMAGE TO PROPERTY
STEAM BOILER (5000KG / HOUR)	FACTORY OR HOSPITAL	13 BAR 27M ³	45kg AIRCRAFT BOMB SMALL	SEVERE INJURY / LOSS OF LIFE (DOUBLE FIGURES) CATASTROPHIC DAMAGE TO PROPERTY
STEAM BOILER (25,000KG / HOUR)	LARGE FACTORY OR SMALL POWER STATION	23 BAR 126M ³	275kg AIRCRAFT BOMB MEDIUM	MULTIPLE LOSS OF LIFE. MAJOR SITE IMPACT. WIDESPREAD DAMAGE TO PROPERTY.



Failed Steam Boiler



Failed Coffee Boiler



Failed Cement Tanker



Failed Water Heater (Calorifier)



Failed Rubber Autoclave



Failed Expansion Vessels

SUMMARY



SI 299 GENERAL APPLICATIONS REGULATIONS 2007

ALL WORK EQUIPMENT IN ALL WORKPLACES

- **REG 30 – INSPECTION & MAINTENANCE**

PLUS!

- **REG 52 – THOROUGH EXAMINATION OF LIFTING EQUIPMENT**
- **PART 10 – THOROUGH EXAMINATION OF PRESSURE EQUIPMENT**

LIFTING PERSONS	6 MTHS
LIFTING GOODS	12 MTHS
STEAM	14 MTHS
OTHER PRESSURE	26 MTHS

SOME SPECIFIC EXCEPTIONS – BUT NOT MANY

TIMELINESS OF INSPECTIONS IS CRITICAL

Further Information

HSA WEBSITE (WWW.HSA.IE)

- SAFETY ALERTS
- FREE DOWNLOAD LEGISLATION & GUIDANCE
- WORKPLACE CONTACT UNIT (WCU@HSA.IE)

Contact us on [01 290 1000](tel:012901000)

E-Mail us at IE_Engineering@ie.rsagroup.com

Visit us at <http://www.rsainspection.co.uk>



QUESTIONS?

