CHUBB FIRE SERVICE AWARENESS

PRESENTATION BY
SAM MARRONE
CHUBB FIRE
NATIONAL ACCOUNTS MANAGER

PROPRIETARY AND CONFIDENTIAL

AGENDA

- Fixed Services (Dry & Wets)
- Portable Services (Extinguisher Type & Purpose)
- Australian Standards - AS1851-2012 & AS2293.2.1995
    - State measures
    - Routine Service frequencies
- Above Annual
- Defects
- Quotes
- AFSS (Annual Fire Safety Audit Reports) & FSS (Fire Safety Statement)
- Chubb Customer Support
- Invoice Management
- Reports
- Other Chubb Departments

PROPRIETARY AND CONFIDENTIAL

SERVICE

The Service team is made of trained technicians that look after connected systems:

- Inspection and testing, aligned and according to AS1851-2012 & AS2293.1.2005
- Fault finding
- Repairs
- Service
- Retrofit

PROPRIETARY AND CONFIDENTIAL

SERVICE

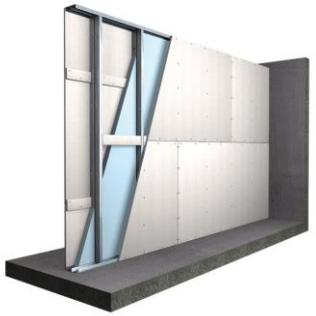
FIXED SERVICE

Detection (Dry)

- Fire Detection and alarm Systems. **
- Emergency Warning System or Emergency intercom Systems. (e.g. EWIS & OWS) **
- Aspirating Smoke Detection (e.g. VESDA- Very Early Smoke Detection Apparatus) **
- Emergency Exit Lighting System **

** Electrical Accredited technician

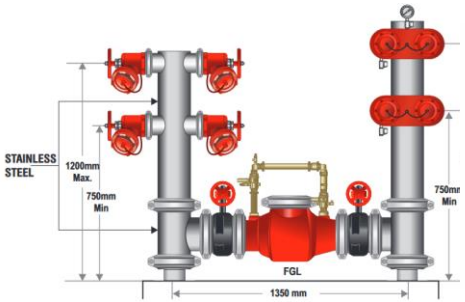
- Fire Doors and Passive / Lightweight Construction (Passive Accredited Technician)



FIXED SERVICE

Suppression (Wet)

- Sprinkler System
- Hydrant System
- Fire Hose Reels
- Fire Water Storage Tanks
- Pumps Sets (Hydrant /Sprinkler- Diesel and Electric)
- Special Hazards (Foam) and Gaseous Systems.



PROPRIETARY AND CONFIDENTIAL

PORTABLE SERVICE

6 types of portable fire extinguishers are commonly installed as passive measures of fire protection.
Each type was designed to reduce the time it takes to take out fires based on materials being combusted:

	Class A Flammable Materials (eg: paper & wood)	Class B Flammable Liquids (eg: paint & petrol)	Class C Flammable Gases (eg: butane & methane)	Class D Flammable Metals (eg: lithium & potassium)	Class E Electrical Equipment (eg: computers & generators)	Class F Cooking Fats and Oils (eg: fryers & chip pans)
Water	✓	✗	✗	✗	✗	✗
Dry Chemical Powder ABE	✓	✓	✗	✗	✓	✗
Dry Chemical Powder BE	✗	✓	✗	✗	✓	limited ✓
Carbon Dioxide CO2	limited ✓	limited ✓	✗	✗	✓	✗
Foam	✓	✓	✗	✗	✗	limited ✓
Wet Chemical	✓	✗	✗	✗	✗	✓

AUSTRALIAN STANDARDS

ROUTINE SERVICE OF FIRE PROTECTION SYSTEMS AND EQUIPMENT

WHAT IS AS1851-2012

ROUTINE SERVICE OF FIRE PROTECTION SYSTEMS AND EQUIPMENT

AS 1851 2012 sets out requirements for inspection, testing, preventive maintenance and survey of fire protection systems and equipment.

AS 1851 (stands for Australian Standards 1851) is a set of rules and regulations that ensure building owners are compliant in meeting the safety standards imposed on fire protection systems.

Is AS1851-2012 Mandatory in NSW?
If measures are not already being maintained to AS1851-2012 in buildings needing an annual fire safety statement, **the standard is not mandatory until 13 February 2025**.
However, building owners should ensure maintenance are updated to require compliance with this standard by that date

AS/NZS 2293.2 1995 sets out inspection and maintenance requirements for emergency and evacuation lighting for buildings. Emergency lighting is an essential service that is quite often overlooked until an accident or catastrophe happens.

PROPRIETARY AND CONFIDENTIAL

WHAT IS AS1851-2012

AUSTRALIAN STANDARD 1851-2012 - MAINTENANCE FREQUENCIES

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The jurisdiction that requires the routine servicing of the fire protection systems and equipment in buildings is the domain of each individual State and Territory of Australia. The following table helps set out these requirements for each state;

Australian - State & Territory Maintenance of Fire Safety Measures

State	Act.	Regulation	Term	Report Requirement	Authority	Responsible Entity
ACT	Building Act 2004 Emergencies Act 2004	Building Regulations Fire Safety Policy 05	Safety Matters			
NSW	Environmental Planning and Assessment Act 1979	Environmental Planning and Assessment Regulations 2000	Essential Fire Safety Measures	Annual Fire Safety Statement	Council	Building Owner
NT	Workplace Health and Safety Act 2009	Workplace Health and Safety Regulations 2010	Fire Control Equipment	Record of each inspections	NT Worksafe	Employer
QLD	Fire & Rescue Services Act 1900 Building Act 1975	Fire & Rescue Services Regulations 2011 Building Fire Safety Regulations 2008	Prescribed Fire Safety Installation	Occupier Statement	Commissioner	Occupier
SA	Development Act 1993	Development Regulations 1993 Minister Spec SA76	Essential Safety Provisions	Proof of the carrying out of maintenance	Council	Building Owner
TAS	Building Act 2000 (Part 3, r12)	Building Regulations 2016	Essential Safety & Health Features	Annual Maintenance Statement	Council	Building Owner
VIC	Building Act 1993	Building Regulations 2018	Essential Safety Measure	Annual Essential Safety Measures Statement	Municipal Building Surveyor or Chief Officer	Building Owner
TAS		Building Bill 2010	Essential Safety Systems	Essential Safety Systems		Building Owner

PROPRIETARY AND CONFIDENTIAL

WHAT IS AS1851-2012

AUSTRALIAN STANDARD 1851-2012 - MAINTENANCE FREQUENCIES

Chubb
POWERED BY APi GROUP

Australian Standard 1851-2012 - Maintenance Frequencies

Section	AS 1851-2012	Monthly (M)	Three-Monthly (3M)	Six- Monthly (6M)	Annual (A)	5 Yearly (5Y)	10 Yearly (10Y)	25 Yearly (25Y)	30 Yearly (30Y)
2	AUTOMATIC FIRE SPRINKLER SYSTEM	YES		YES	YES	YES	YES	YES	YES
3	FIRE PUMP-SETS	YES		YES	YES	YES	YES		
4	FIRE HYDRANT SYSTEM	YES*			YES	YES			
	HYDRANT LANDING VALVE			YES	YES	YES			
5	WATER STORAGE TANKS FOR FIRE PROTECTION SYSTEM	YES		YES	YES				
6	FIRE DETECTION AND ALARM SYSTEM	YES		YES***	YES	YES	YES		
7	SPECIAL HAZARD SYSTEMS	YES		YES	YES		YES		
8	DELIVERY FLAT FIRE HOSE			YES	YES				
9	FIRE HOSE REELS			YES	YES				
10	PORTABLE & WHEELED FIRE EXTINGUISHERS			YES	YES	YES			
11	FIRE BLANKETS			YES	YES				
12	PASSIVE FIRE AND SMOKE SYSTEMS		YES**	YES	YES				
13	FIRE AND SMOKE CONTROL FEATURES OF MECHANICAL SERVICES. (SMOKE HAZARD MANAGEMENT SYSTEMS)	YES	YES	YES	YES	YES			
14	EMERGENCY PLANNING IN FACILITIES	YES		YES	YES				
AS2293	EXIT SIGNS & EMERGENCY LIGHTING			YES	YES				

* Where pump-sets are fitted

** Where horizontal sliding doors are fitted

*** Where a Gaseous System are fitted

Table 1.12 Frequency Tolerances

Frequency	Tolerence (+/-)
Monthly (M)	Five (5) Working Days
Three-Monthly (3M)	One (1) Month
Six- Monthly (6M)	One (1) Month
Annual (A)	Two (2) Month
5 Yearly (5Y)	Three (3) Month
10 Yearly (10Y)	Six (6) Month
25 Yearly (5Y)	Six (6) Month

WHAT IS AS1851-2012

PAPER MILL- MAINTENANCE FREQUENCIES –SNAP SHOT

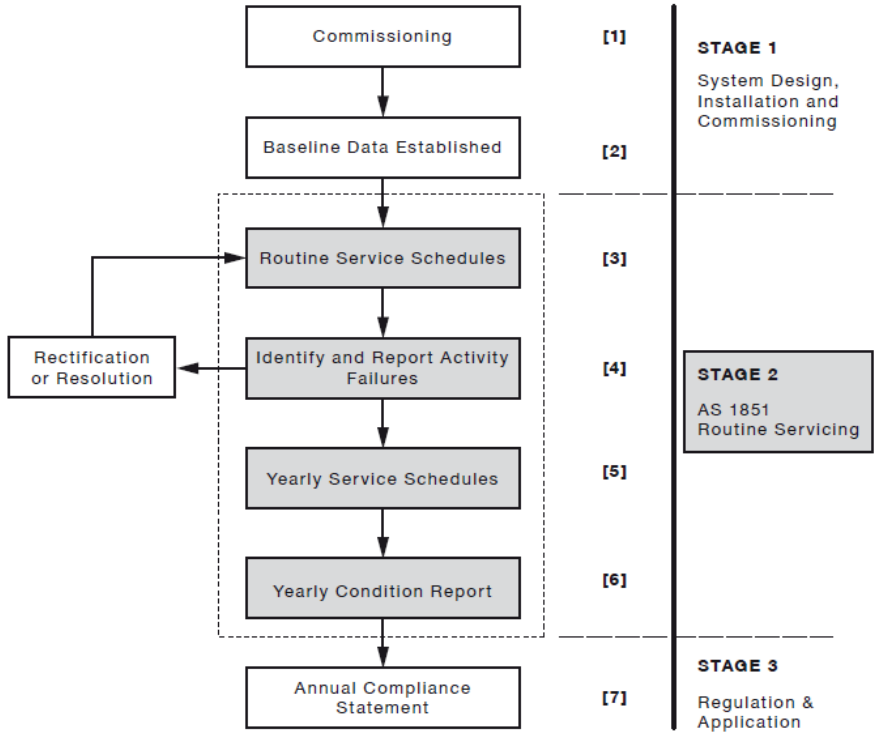
Agreement Name	Agreement Address	Agreement Suburb	Equipment Description	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23
VISY Paper Mill 3&6 Smithfield	6 Herbert Place	Smithfield	Deluge And Water Sprays	Y						6M					
			Fire Detection System	Y	M	M	M	M	M	6M	M	M	M	M	M
			Fire Doors Hinged & Pivoted	Y						6M					
			Water Cannons	Y						6M					
			Gaseous System	Y	M	M	M	M	M	6M	M	M	M	M	M
			General Fire Sprinkler System	Y	M	M	M	M	M	6M	M	M	M	M	M
			Hydrant Point Flow Test	Y											
			Portables	6M						6M					
			Preaction System	Y	M	M	M	M	M	6M	M	M	M	M	M
			Survey General							Y					
			Vesda System	Y	M	M	M	M	M	6M	M	M	M	M	M
VISY Site Smithfield.	6 Herbert Pl	Smithfield	Fire Tank	Y	M	M	M	M	M	6M	M	M	M	M	M
			Pumpset	Y	M	M	M	M	M	6M	M	M	M	M	M
			Portables	6M						6M					
			Fire Detection System	Y	M	M	M	M	M	M	M	M	M	M	M

An Example

Routine service aligned to where there is a Gaseous suppression system connected to FIP vs. none

WHAT IS AS1851-2012

Under fire maintenance, we need to follow the Items 3 through to Item 7 to make sure the systems are all working in the correct manner.



PROPRIETARY AND CONFIDENTIAL

ABOVE ANNUALS

AUTOMATIC FIRE SPRINKLER SYSTEMS AS1851-2012 Table 2.4
Five (5) Yearly - Sprinkler Valve Overhaul
Twenty Five (25) Yearly, 14 heads per system – Laboratory Function Test (then after Ten (10) Yearly.

FIRE PUMPSETS AS1851-2012 Table 3.4
Five (5) Yearly Overhaul

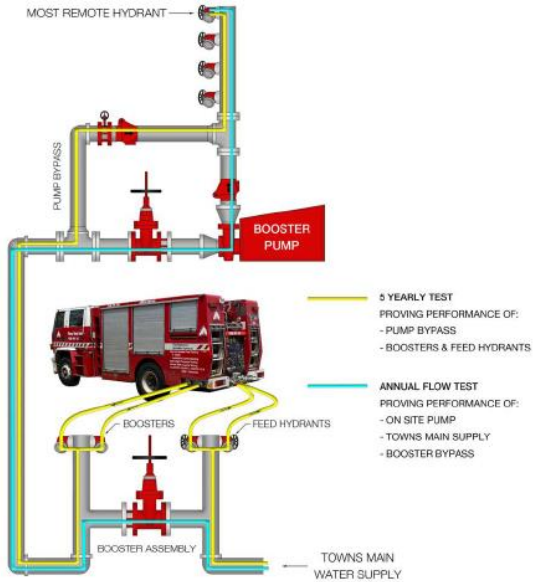
FIRE HYDRANT SYSTEM AS1851-2012 Table 4.4
Five (5) Yearly Landing Overhaul and Hydrostatic Test

WATER STORAGE TANKS FOR FIRE PROTECTION SYSTEMS AS1851-2012 Table 5.4
Ten (10) Yearly Drain clean inspect and Re-fill

FIRE DETECTION AND ALARM SYSTEMS AS1851-2012 Table 6.4
Five (5) Yearly Interface & Control Test.

SPECIAL HZARDS SYSTEMS AS1851-2012 Table 7.4
Ten (10) Yearly Hydrostatically Pressure Test

PORTABLE AND WHEELED FIRE EXTINGUISHERS AS1851-2012 Table 10.4
Five (5) Yearly Pressure Test



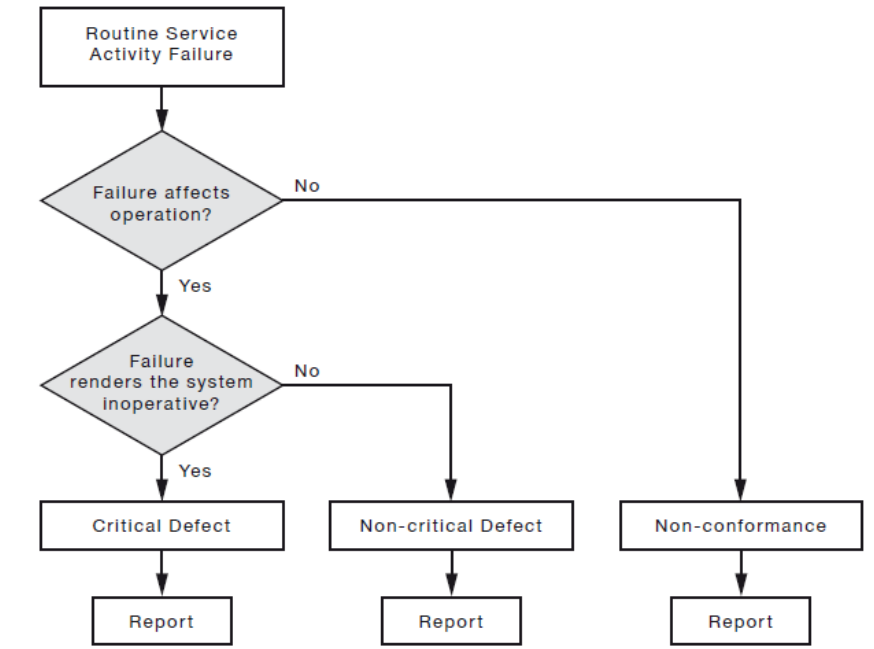
PROPRIETARY AND CONFIDENTIAL

DEFECTS

AUSTRALIAN STANDARD 1851-2012

According to Australian Standard AS 1851:2012 a defect identified with a "system", "item of equipment" or "safety measure" can be classified into one of three categories;

- a non-conformance; or.
- a non-critical defect;
- or. a critical defect



Flow Chart of defects

PROPRIETARY AND CONFIDENTIAL

DEFECTS

AUSTRALIAN STANDARD 1851-2012

Reference Australian Standards (Routines AS1851-2012 Section 1)
Defect classification and non-conformance

Critical Defect

A defect that renders a system inoperative. Examples of critical defects include - impaired water supply, which is unable to provide water to a sprinkler system OR an inoperative fire indicator panel, which is unable to warn the building occupants of fire. A critical defect is reasonably likely to have a significant adverse impact upon the safety of occupants for part, or all, of a building

Non-Critical Defect

A system impairment or faulty component not likely to critically affect the operation of the system. Examples of non-critical defects include - local alarm bell not operating OR a water motor alarm failure

Non-Conformance

Missing information or incorrect feature that does not affect the system operation but is required to facilitate ongoing routine service. Examples of non-conformance include - missing or incorrect sprinkler block plans OR missing spare sprinklers, missing sprinkler guards OR missing equipment location signs, illegible labels OR non-availability of required information required to validate a service activity.

PROPRIETARY AND CONFIDENTIAL

DEFECTS

AUSTRALIAN STANDARD 1851-2012

Reference Australian Standards (Routines AS1851-2012 Section 1)
Rectification 1.5.11 and Responsible Entity 1.5.12.

1.5.11 Rectification

The repair or replacement of components found to be defective.

1.5.12 Responsible Entity

The entity responsible for the routine services of the fire protection system and equipment.

- Examples of the responsible entity or responsible person include the following;
- Building owner or the agent of the building owner.
- Occupier or tenant;
- Facility Manager, Building Manager or Building Supervisor;
- Owners Corporation (Body Corporate) etc.

In each State or Territory in Australia the responsible entity is set out in legislation. This responsibility may also be novated to nominee of the building owner or occupier of the building. (refer to page 10)

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DEFECTS QUOTES

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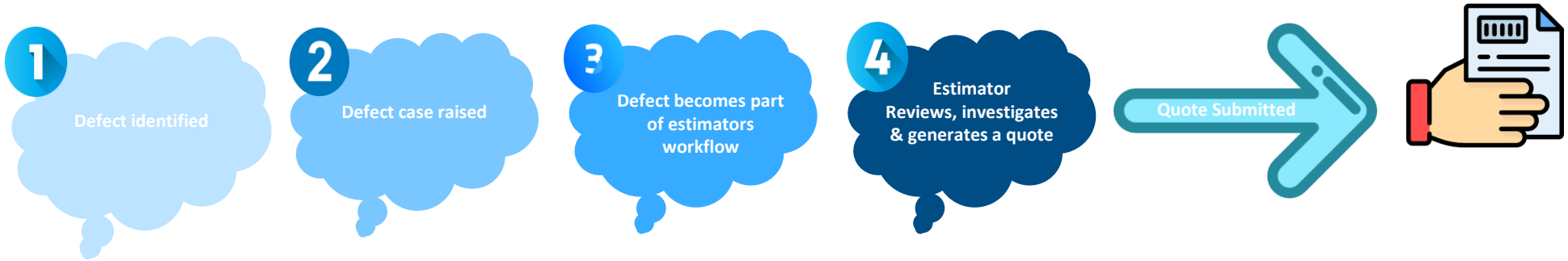
Fire protection systems are an essential safety feature in any building, and regular maintenance is crucial to ensure that they remain in good working condition. Failure to maintain these systems can result in serious consequences, including injury, property damage, and even loss of life.



Types of defects

- Identified through routine inspection of the fire systems, Includes above annuals.
- Identified by AFSP through the AFSS (Annual Fire Statement Audit Report)
- Fire Order by Council or Fire Brigade
- DLP / Warranty
- Insurance Requirements

****Approval Process**

Refer to Customer Support section of presentation

PROPRIETARY AND CONFIDENTIAL

WHAT IS AFSS & FSS

ANNUAL FIRE SAFETY STATEMENT

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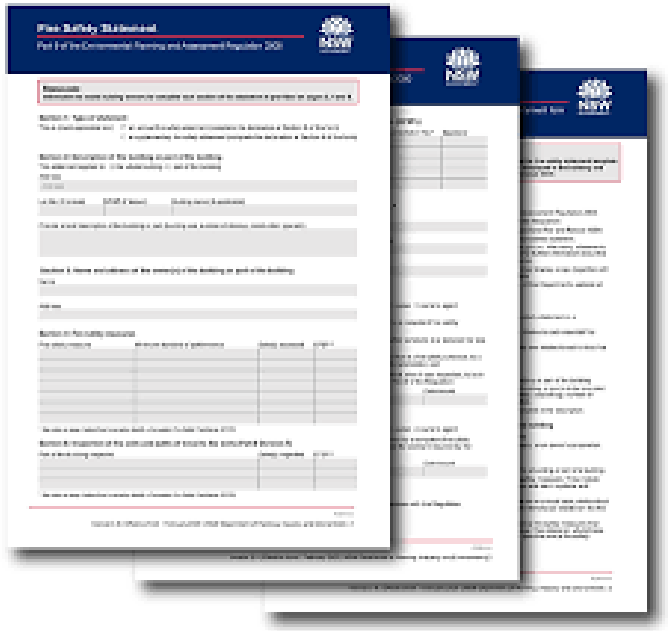
A document to ensure fire safety and egress measures are operating as required in all buildings across NSW

A fire safety statement (FSS) is filled out by the building owner or nominated person/ party which confirms they have engaged a competent fire safety practitioner (AFSP) to assess the essential services, or critical fire safety measures of their building, and this assessment confirmed that these checks/inspections have been met.

Complied within the AFSS Report & FSS

Fire Safety Statements (FSS) are submitted to the local council. Local councils also hold the power to issue infringement notices if the fire safety certificate is not issued annually.

Council's role regarding fire safety statements is to record the receipt of these statements and contain them on file if required for later use. Councils may, review fire safety statements for compliance with Part 9 of the EP&A Regulations. Where non-compliances are identified, council may take enforcement action or issue penalties.



PROPRIETARY AND CONFIDENTIAL

WHAT IS AFSS & FSS

TROUBLESHOOTER

What happens if council does not have a Schedule (FSS)

Should Council not have a FSS for your building you will need to engage an Unrestricted Building Surveyor to complete a fire safety compliance audit, The Accredited Certifier will conduct a site inspection and generate a FSS for your building.

Should all buildings have a fire safety schedule?

Fire Safety Schedules/Fire Safety Measures

Since the 1st of July 1997, a Fire Safety Schedule specifying the Fire Safety Measures (both current and proposed) that should be implemented in the building has been required to be issued by the person granting approval for or ordering the Building Works or a change of use.

Who is responsible for annual fire safety statement ?

The building owner

Under the Environmental Planning and Assessment (Development Certification and Fire Safety) Regulation 2021 (EP&A Reg.) **the building owner(s)** must provide the Council with: an annual fire safety statement that deals with each essential fire safety measure in the building (section 89); and.

Owner(s) of a building having a fire safety schedule is required to provide fire safety statements to both their local Council and to the Commissioner of Fire and Rescue NSW. A fire safety statement is a document issued by or on behalf of the owner(s) of an existing building.

PROPRIETARY AND CONFIDENTIAL

CHUBB CUSTOMER SUPPORT

PROPRIETARY AND CONFIDENTIAL

PROCESS

PROPRIETARY AND CONFIDENTIAL

CUSTOMER SERVICE DELIVERY TEAM

CONTACT DETAILS AND SERVICE LEVEL AGREEMENT (SLA). NORMAL & AFTER HOURS SUPPORT.

Normal Business Hours (SDC Team)

(Monday -Friday 7.30am to 4.30pm, excludes Public Holidays)

Phone: **02 9581 6501**

Email: au_nsw.sdc@chubbfs.com

After Hours Team

(Weekdays from 4.31pm – 7.30am, Weekend & Public Holidays)

Phone: **13 15 98 (Opt 2)**

Email: au_CSProducts@chubbfs.com

Customer Centre - (SLA) Priority Chart

Identifying Urgency of Request		
Priority	**SLA**	**Comments**
Emergency Service Call	< 4 hours	System inoperable, safety compromised, water leaking inside, sirens squealing or not working at all, pumps running
Urgent Service call	< 24 Hours	System still operable but need to attend soon, panel batteries, zone isolated, reset alarm, fault on panel
Service Call	< 14 Days	Non urgent, system operable - for example exit lights out, add new detector + any other unscheduled work

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CUSTOMER SERVICE DELIVERY TEAM

SERVICE DELIVERY CENTRE (SDC) SUPPORT - REACTIVE AND QUOTE WORKS

Chubb
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IMPORTANT INFORMATION TO PROVIDE OUR CHUBB SERVICE DELIVERY CENTRE TEAM.

- PROPERTY NAME **VISY PAPER MILL**
- CONTACT DETAILS (Name, Mobile, email etc.)
- SCOPE OF WORK (detailed description, include quote number as reference)
- PURCHASE ORDER NO (Required)
- PHOTO(S) (if possible)

au_nsw.sdc@chubbfs.com

If unsure of value. (Reactive Works)

Just raise a PO for $500, once the job completed and closed off, the correct value will be appointed to your invoice once the works been completed and closed off.

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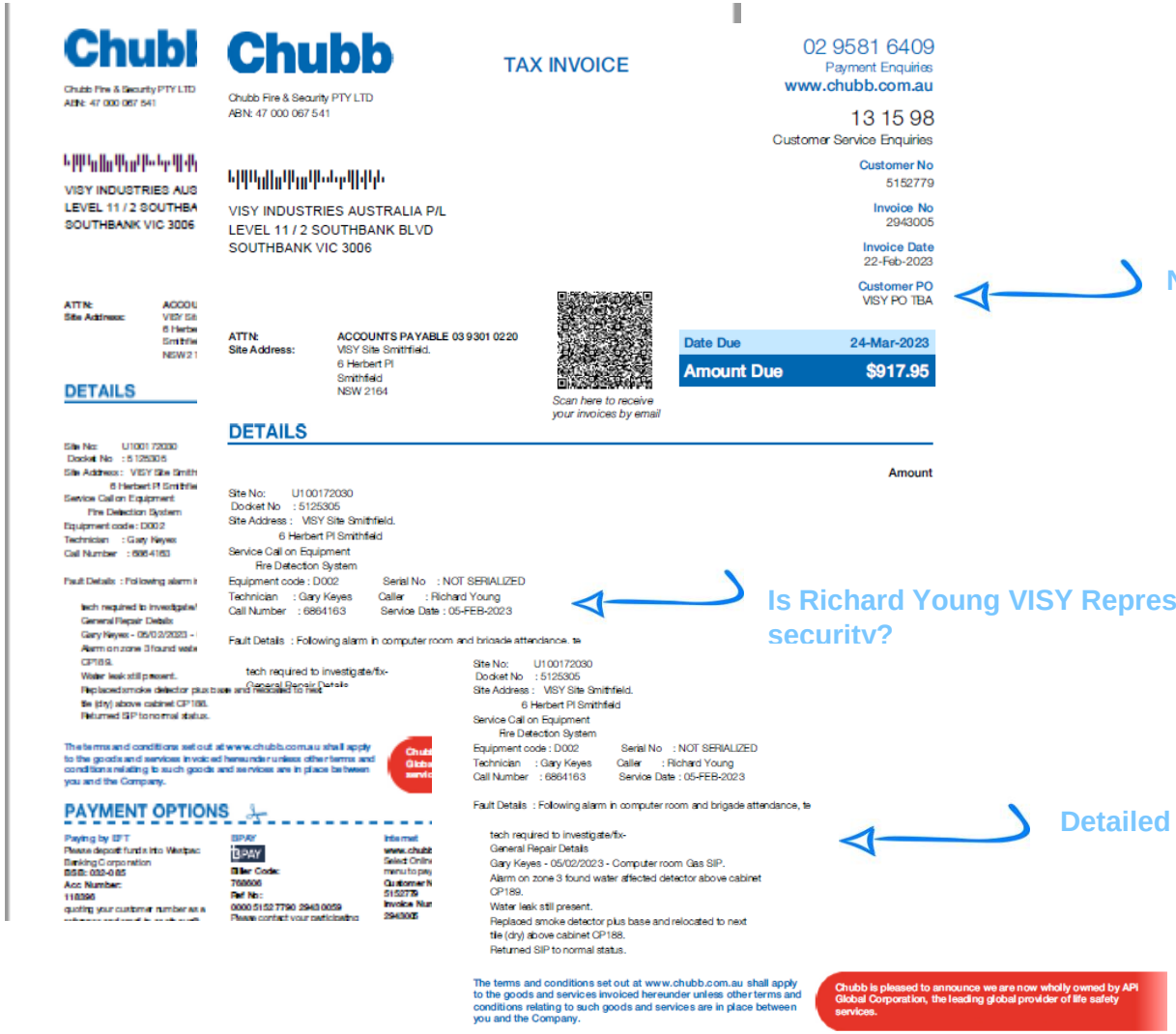
CREDIT CONTROL TEAM

INVOICE MANAGEMENT



Chubb

Chubb Fire & Security PTY LTD
ABN: 47 000 067 541

TAX INVOICE

02 9581 6409
Payment Enquiries
www.chubb.com.au

13 15 98
Customer Service Enquiries

Customer No
5152779

Invoice No
2943005

Invoice Date
22-Feb-2023

Customer PO
VISY PO TBA

VISY INDUSTRIES AUSTRALIA P/L
LEVEL 11 / 2 SOUTHBANK BLVD
SOUTHBANK VIC 3006

ATTN: ACCOUNTS PAYABLE 03 9301 0220
Site Address: VISY Site Smithfield.
6 Herbert Pl
Smithfield
NSW 2164

Scan here to receive your invoices by email

Date Due 24-Mar-2023
Amount Due $917.95

DETAILS

Amount

Site No: U100172030
Docket No : 5125305
Site Address : VISY Site Smithfield.
6 Herbert Pl Smithfield
Service Call on Equipment
Fire Detection System
Equipment code : D002 Serial No : NOT SERIALIZED
Technician : Gary Keyes Caller : Richard Young
Call Number : 6864163 Service Date : 05-FEB-2023

Fault Details : Following alarm in computer room and brigade attendance, te

tech required to investigate/fix-
General Repair Details
Gary Keyes - 05/02/2023 - Computer room Gas SIP.
Alarm on zone 3 found water affected detector above cabinet CP189.
Water leak still present.
Replaced smoke detector plus base and relocated to next tile (dry) above cabinet CP188.
Returned SIP to normal status.

The terms and conditions set out at www.chubb.com.au shall apply to the goods and services invoiced hereunder unless other terms and conditions relating to such goods and services are in place between you and the Company.

Chubb is pleased to announce we are now wholly owned by API Global Corporation, the leading global provider of life safety services.

PAYMENT OPTIONS

Paying by EFT
Please deposit funds into Westpac Banking Corporation
BSB: 032-065
Acc Number: 118396
quoting your customer number as a reference and email to

BPAY
Biller Code: 766606
Ref No: 0000 5152 7790 2943 0059
Please contact your participating

Internet
www.chubb
Select Online
menu to pay
Customer N
5152779
Invoice Nu
2943005

No Purchase Order Number

Is Richard Young VISY Representative or part of the on-site security?

Detailed Scope of work, which assisted the team

PROPRIETARY AND CONFIDENTIAL

REPORTS

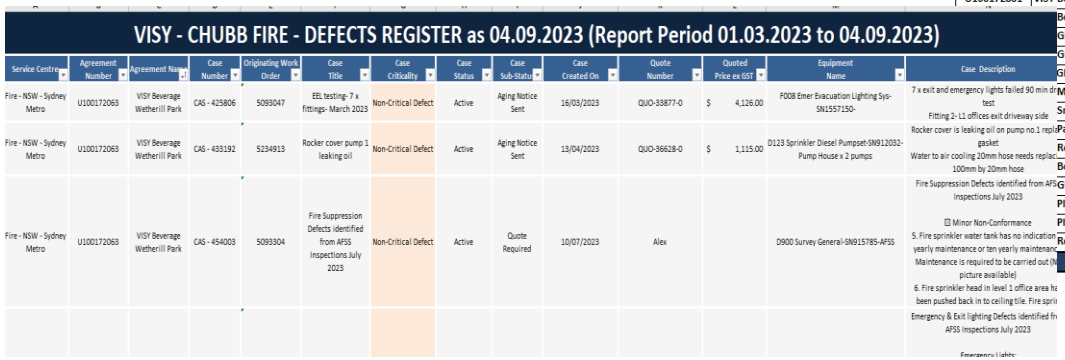
REPORTS

DEFECTS REGISTER

Key benefits

Overall, documenting defects during the liability period is an essential part of the building process for builders. It helps to ensure that all defects are identified and repair within the required timeframe to reduces the risk.

The register provides a baseline data to ensure the Responsible Entity carries out future works in the building can easily identify information in the future.

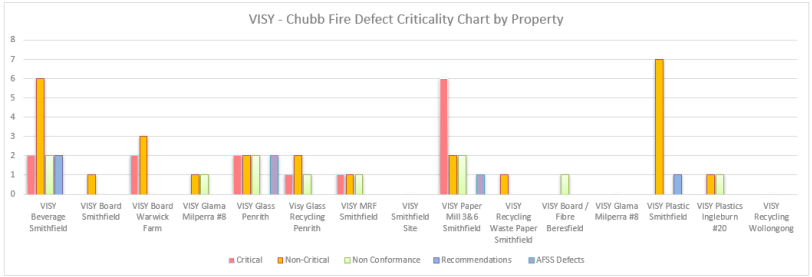


VISY - CHUBB FIRE - DEFECTS REGISTER as 04.09.2023 (Report Period 01.03.2023 to 04.09.2023)

Service Centre	Agreement Number	Agreement Name	Case Number	Originating Work Order	Case Title	Case Criticality	Case Status	Case Sub-Status	Case Created On	Quote Number	Quoted Price ex GST	Equipment Name	Case Description
Fire - NSW - Sydney Metro	U100172063	VISY Beverage Wetherill Park	CAS - 425806	5093047	EEL testing- 7 x fittings- March 2023	Non-Critical Defect	Active	Aging Notice Sent	16/03/2023	QUO-33877-0	$ 4,126.00	F008 Emer Evacuation Lighting Sys-SN1557150-	7 x exit and emergency lights failed 90 min d test Fitting 2- L1 offices exit driveway side
Fire - NSW - Sydney Metro	U100172063	VISY Beverage Wetherill Park	CAS - 433192	5234913	Rocker cover pump 1 leaking oil	Non-Critical Defect	Active	Aging Notice Sent	13/04/2023	QUO-36628-0	$ 1,115.00	D123 Sprinkler Diesel Pumpset-SN912032-Pump House x 2 pumps	Rocker cover is leaking oil on pump no.1 repl gasket Water to air cooling 20mm hose needs replac 100mm by 20mm hose
Fire - NSW - Sydney Metro	U100172063	VISY Beverage Wetherill Park	CAS - 454003	5093304	Fire Suppression Defects identified from AFSS Inspections July 2023	Non-Critical Defect	Active	Quote Required	10/07/2023	Alex		D900 Survey General-SN915785-AFSS	Fire Suppression Defects identified from AFS Inspections July 2023 ☐ Minor Non-Conformance 5. Fire sprinkler water tank has no indication yearly maintenance or ten yearly maintenan Maintenance is required to be carried out (N picture available) 6. Fire sprinkler head in level 1 office area ha been pushed back in to ceiling tile. Fire sprin
													Emergency & Exit lighting Defects identified fr AFSS Inspections July 2023

Criticality Chart

		Critical	Non-Critical	Non Conformance	Recommendations	AFSS Defects
U100172063	VISY Beverage Smithfield	2	6	2	2	0
U100172801	VISY Board Smithfield	0	1	0	0	0
	Board Warwick Farm	2	3	0	0	0
	Glama Milperra #8	0	1	1	0	0
	Glass Penrith	2	2	2	0	2
	Glass Recycling Penrith	1	2	1	0	0
	MRF Smithfield	1	1	1	0	0
	Smithfield Site	0	0	0	0	0
	Paper Mill 3&6 Smithfield	6	2	2	0	1
	Recycling Waste Paper Smithfield	0	1	0	0	0
	Board / Fibre Beresfield	0	0	1	0	0
	Glama Milperra #8					
	Plastic Smithfield					
	Plastics Ingleburn #20					
	Recycling Wollongong					



Risk Criticality stated on Defect classification on page 14

** Reports are generated on the first week of each month.

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OTHER CHUBB DEPARTMENTS

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CHUBB TRAINING TEAM

The Fire Safety Training is designed to raise awareness of fire hazards in the workplace and how to act safely in the event of an emergency fire situation, including selecting and using the correct fire extinguisher. These courses are also designed to train staff in your fire safety procedures.

- Warden and Evacuation Training
- Extinguisher and Industrial Training
- Emergency Plans and Evacuation Diagrams

WH&S legislation mandates this fire safety training requirement to the person conducting business or undertaking a work place. Fire training is mandatory by law to ensure the safety of every person in the building in case of emergency situation.

Building Emergency Procedures
Compliance Solution
Fire Safety Advisor
Emergency evacuation diagrams
Emergency procedures manuals
Evacuation drills
Fire extinguisher training
General occupant training
Warden and Chief Warden training

Workplace Safety Training
Height safety
Confined space entry
Breathing apparatus (open circuit)
First aid training
Manual handling

PROPRIETARY AND CONFIDENTIAL

OTHER CHUBB DEPARTMENTS

CHUBB CODE RED – FIRE MONITORING TEAM

Chubb
POWERED BY APi GROUP

Fire alarm monitoring and regular maintenance are critical to help protect your people, property and assets. Whether you have a large commercial or industrial site, or a business on a smaller scale to meet Australian Standards.

Code Red Monitoring connects the automatic fire detection or sprinkler system to the fire brigade via an alarm monitoring center. Fire alarm monitoring is a required essential service in many buildings Governed by council and BCA.

The Code Red Alarm **S**ignaling **E**quipment (ASE) is installed either inside or beside the fire panel or sprinkler system. The ASE is connected to the fire equipment and monitors alarm, fault and isolate conditions from the fire equipment. Only alarms are sent to the fire brigade, other conditions are sent to customers via SMS, Fax and Email.

The ASE is placed in test or isolate modes, to allow testing of alarms without calling the fire brigade. Test or isolate modes are secured by a coded key. The keys are registered to users for traceability. Only a registered key will operate the Code Red ASE.

PROPRIETARY AND CONFIDENTIAL