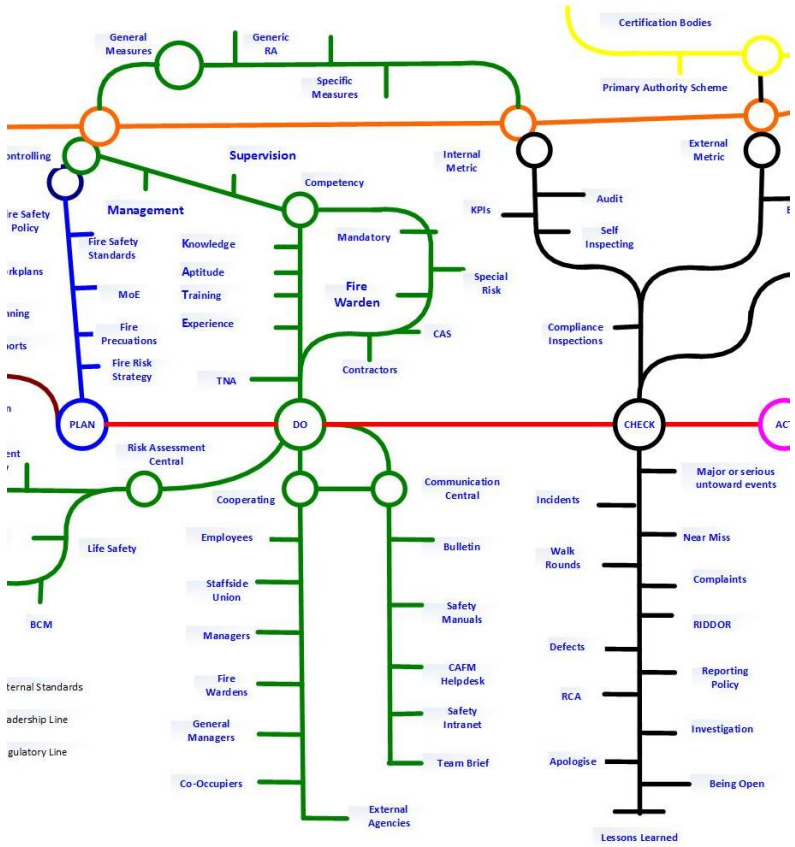
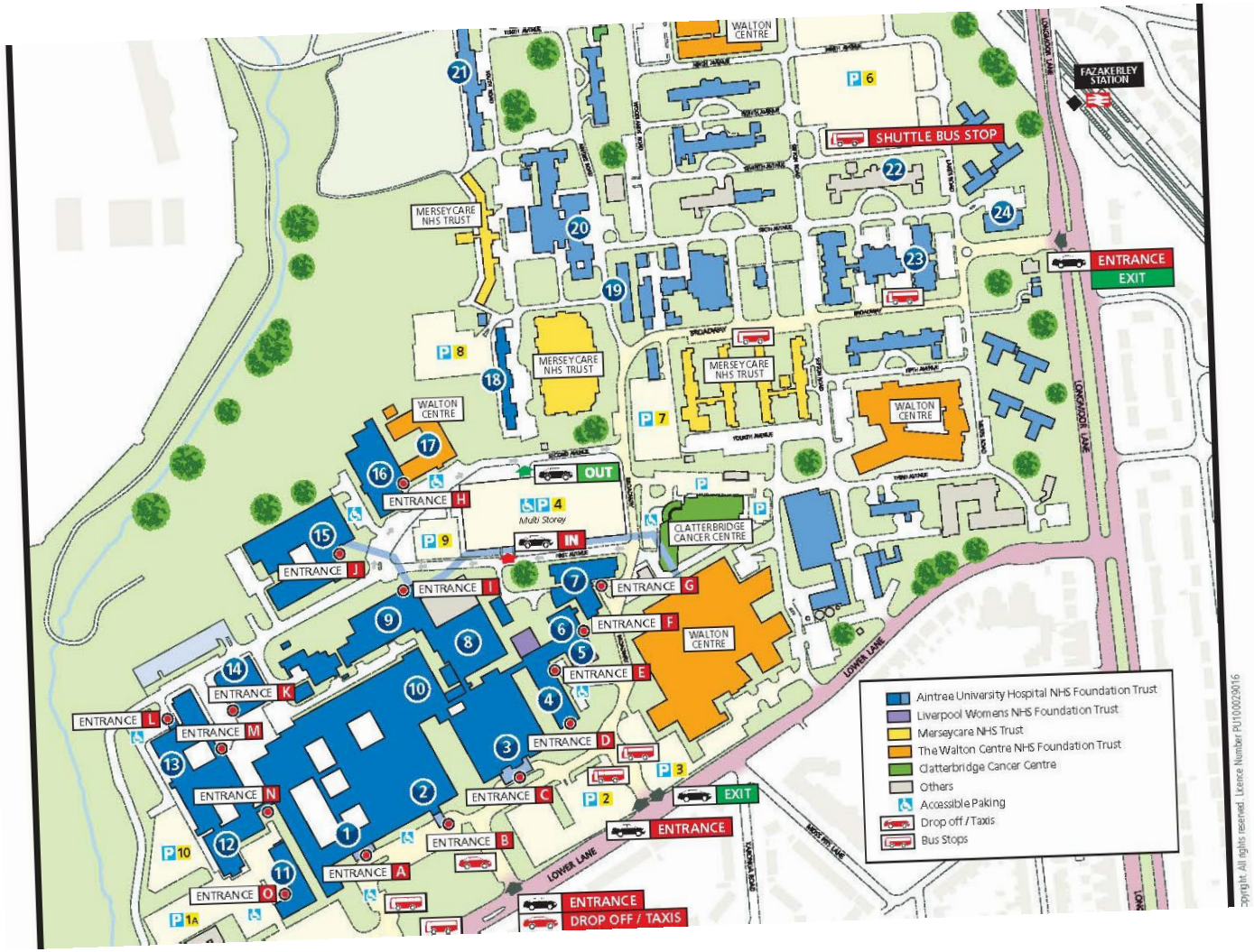


A PDCA Central Line for fire risk management

Dr Kathryn Woolham O'Brien
University of Central Lancashire

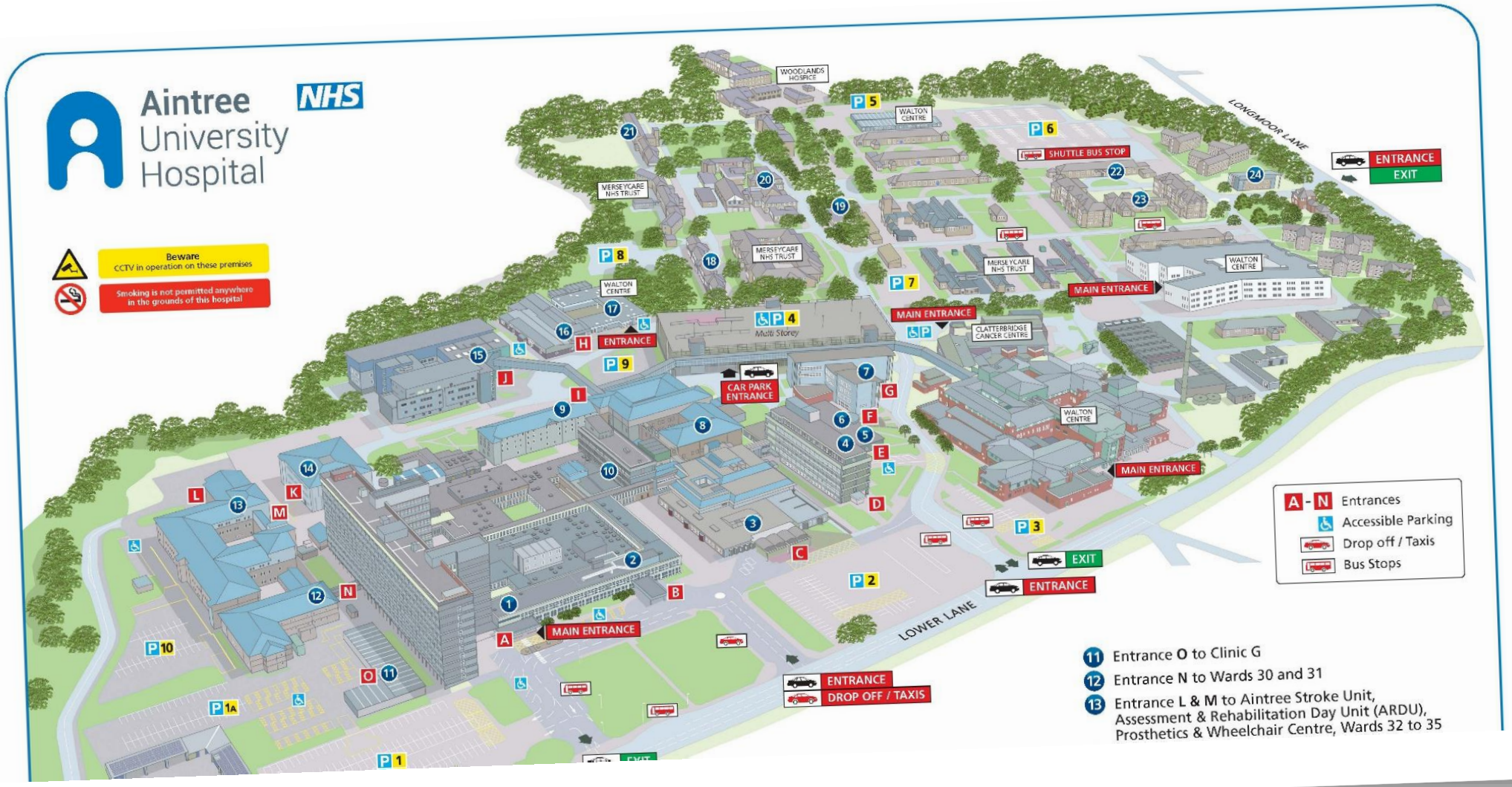


Road car park).

- A shuttle bus service is available from the Lakes Road car park.

BUILDING DETAILS

1. Entrance **A** Main Foyer to Critical Care Unit / Wards 8 to 25
2. Entrance **B** to Outpatients / Radiology / Fracture Clinic
3. Entrance **C** to Accident & Emergency
4. Entrance **D** to Centre for Women's Health, Entrance **E** to Wards 1 to 4 / Marina Dalglish Unit
5. Colposcopy (Liverpool Women's NHS Foundation Trust)
6. Entrance **F** to Diabetes Centre
7. Entrance **G** to Clinical Sciences Centre
8. Medical Assessment Unit (MAU), Wards 28 and 29, Main 'B' Theatres and Anaesthetics Directorate
9. Entrance **I** to Patient Hotel / Restaurant
10. Clinical Laboratories
11. Entrance **O** to Clinic G
12. Entrance **N** to Wards 30 and 31
13. Entrance **L & M** to Aintree Stroke Unit, Assessment & Rehabilitation Day Unit (ARDU), Prosthetics & Wheelchair Centre, Wards 32 to 35
14. Entrance **K** to Bluebell House & Bereavement Suite
15. Entrance **J** to Elective Care Centre
16. Entrance **H** to Therapies
17. Transitional Care Unit
18. Clinical Offices
19. Maintenance Offices
20. Aintree Hall
21. Learning & Development


Aintree University Hospital
NHS
Beware
CCTV in operation on these premises
Smoking is not permitted anywhere in the grounds of this hospital
WOODLANDS HOSPICE
WALTON CENTRE
MERSEYCARE NHS TRUST
CLATTERBRIDGE CANCER CENTRE
LONGMOOR LANE
LOWER LANE
SHUTTLE BUS STOP
ENTRANCE
EXIT
MAIN ENTRANCE
CAR PARK ENTRANCE
DROP OFF / TAXIS
Multi Storey
P 1
P 1A
P 2
P 3
P 4
P 5
P 6
P 7
P 8
P 9
P 10
A - N Entrances
Accessible Parking
Drop off / Taxis
Bus Stops
11 Entrance O to Clinic G
12 Entrance N to Wards 30 and 31
13 Entrance L & M to Aintree Stroke Unit, Assessment & Rehabilitation Day Unit (ARDU), Prosthetics & Wheelchair Centre, Wards 32 to 35


Amersham
Chesham
Latimer
Chorleywood
Rickmansworth
Watford
Croxley
Moor Park
Northwood
Northwood Hills
Pinner
North Harrow
Harrow-on-the-Hill
West Harrow
Watford High Street
Bushey
Carpenders Park
Hatch End
Headstone Lane
Harrow & Wealdstone
Kenton
Northwick Park
Preston Road
South Kenton
North Wembley
Wembley Central
Stonebridge Park
Harlesden
Willesden Junction
Wembley Park
Stanmore
Canons Park
Queensbury
Kingsbury
Neasden
Dollis Hill
Willesden Green
Kilburn
West Hampstead
Finchley Road
Swiss Cottage
St. John's Wood
Kensal Rise
Brondesbury Park
Brondesbury
Kensal Green
Queen's Park
Kilburn High Road
South Hampstead
Edgware
Burnt Oak
Colindale
Hendon Central
Brent Cross
Golders Green
Hampstead
Finchley Road & Frognal
Belsize Park
Chalk Farm
Camden Town
Mornington Crescent
Hampstead Heath
Gospel Oak
Kentish Town West
Kentish Town
Tufnell Park
Archway
Highgate
East Finchley
Finchley Central
West Finchley
Woodside Park
Totteridge & Whetstone
High Barnet
Mill Hill East
Cockfosters
Oakwood
Southgate
Arnos Grove
Bounds Green
Wood Green
Turnpike Lane
Manor House
Crouch Hill
Upper Holloway
Arsenal
Holloway Road
Caledonian Road
Caledonian Road & Barnsbury
Camden Road
Harringay Green Lanes
Seven Sisters
South Tottenham
Tottenham Hale
Blackhorse Road
Walthamstow Central
Walthamstow Queen's Road
Finsbury Park
Highbury & Islington
Canonbury
Dalston Kingsland
Dalston Junction
Hackney Central
Homerton
Hackney Wick
Stratford
Haggerston
Hoxton
Shoreditch High Street
Pudding Mill Lane
Bethnal Green
Mile End
Bow Road
Bow Church
Stepney Green
Devons Road
Langdon Park
All Saints
Whitechapel
Aldgate East
Aldgate
Liverpool Street
Moorgate
Old Street
Angel
King's Cross St. Pancras
Euston
Great Portland Street
Baker Street
Warren Street
Euston Square
Russell Square
Farringdon
Barbican
Chancery Lane
St. Paul's
Bank
Holborn
Covent Garden
Leicester Square
Cannon Street
Mansion House
Blackfriars
Temple
Embankment
Charing Cross
Piccadilly Circus
Oxford Circus
Tottenham Court Road
Goodge Street
Regent's Park
Bond Street
Marble Arch
Lancaster Gate
Queensway
Notting Hill Gate
Bayswater
Paddington
Edgware Road
Marylebone
Royal Oak
Westbourne Park
Ladbroke Grove
Latimer Road
Shepherd's Bush
Holland Park
East Acton
White City
Wood Lane
North Acton
West Acton
Ealing Broadway
Ealing Common
Acton Central
South Acton
Acton Town
South Ealing
Northfields
Boston Manor
Osterley
Hounslow East
Hounslow Central
Hounslow West
Hatton Cross
Heathrow Terminals 1, 2, 3
Heathrow Terminal 4
Heathrow Terminal 5
Perivale
Greenford
Hanger Lane
Park Royal
North Ealing
Sudbury Hill
Sudbury Town
Alperton
Northolt
South Ruislip
Ruislip Gardens
Rayners Lane
South Harrow
West Ruislip
Hillingdon
Uxbridge
Ickenham
Ruislip
Ruislip Manor
Eastcote
Shepherd's Bush Market
Goldhawk Road
Hammersmith
Barons Court
West Kensington
Earl's Court
Kensington (Olympia)
High Street Kensington
Gloucester Road
South Kensington
Sloane Square
Victoria
St. James's Park
Westminster
Green Park
Hyde Park Corner
Knightsbridge
Chiswick Park
Turnham Green
Stamford Brook
Ravenscourt Park
Gunnersbury
Kew Gardens
Richmond
West Brompton
Fulham Broadway
Parsons Green
Putney Bridge
East Putney
Southfields
Wimbledon Park
Wimbledon
Imperial Wharf
Clapham Junction
Pimlico
Vauxhall
Waterloo
Southwark
Lambeth North
Borough
Elephant & Castle
Oval
Kennington
Stockwell
Clapham North
Clapham Common
Clapham South
Balham
Tooting Bec
Brixton
Mill Hill East
Edgware
Burnt Oak
Colindale
Hendon Central
Brent Cross
Golders Green
Hampstead
Finchley Road & Frognal
Belsize Park
Chalk Farm
Camden Town
Mornington Crescent
Kentish Town West
Kentish Town
Tufnell Park
Archway
Highgate
East Finchley
Finchley Central
West Finchley
Woodside Park
Totteridge & Whetstone
High Barnet
Cockfosters
Oakwood
Southgate
Arnos Grove
Bounds Green
Wood Green
Turnpike Lane
Manor House
Crouch Hill
Upper Holloway
Arsenal
Holloway Road
Caledonian Road
Caledonian Road & Barnsbury
Camden Road
Harringay Green Lanes
Seven Sisters
South Tottenham
Tottenham Hale
Blackhorse Road
Walthamstow Central
Walthamstow Queen's Road
Finsbury Park
Highbury & Islington
Canonbury
Dalston Kingsland
Dalston Junction
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Hackney Wick
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Shoreditch High Street
Pudding Mill Lane
Bethnal Green
Mile End
Bow Road
Bow Church
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Devons Road
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All Saints
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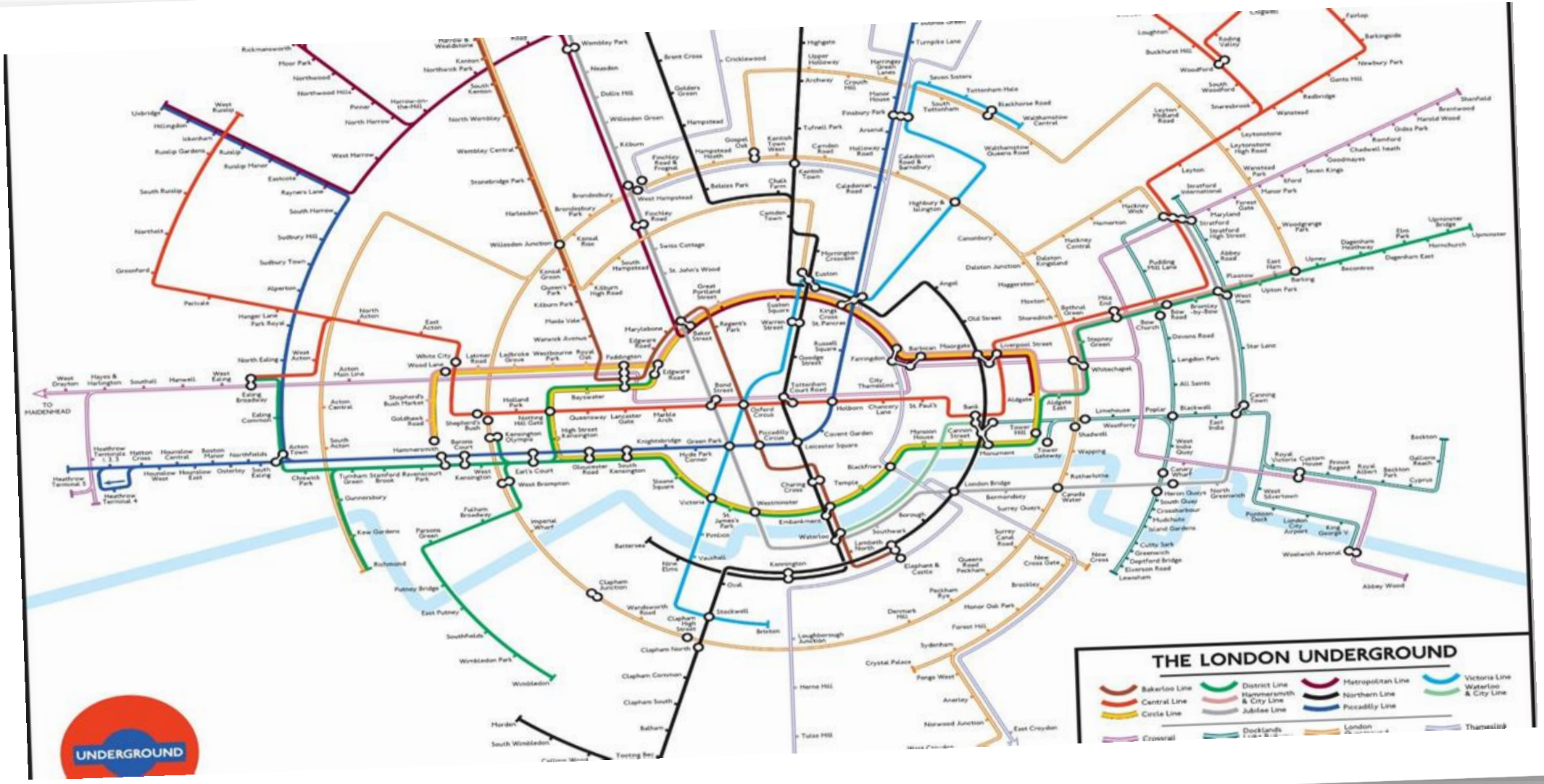
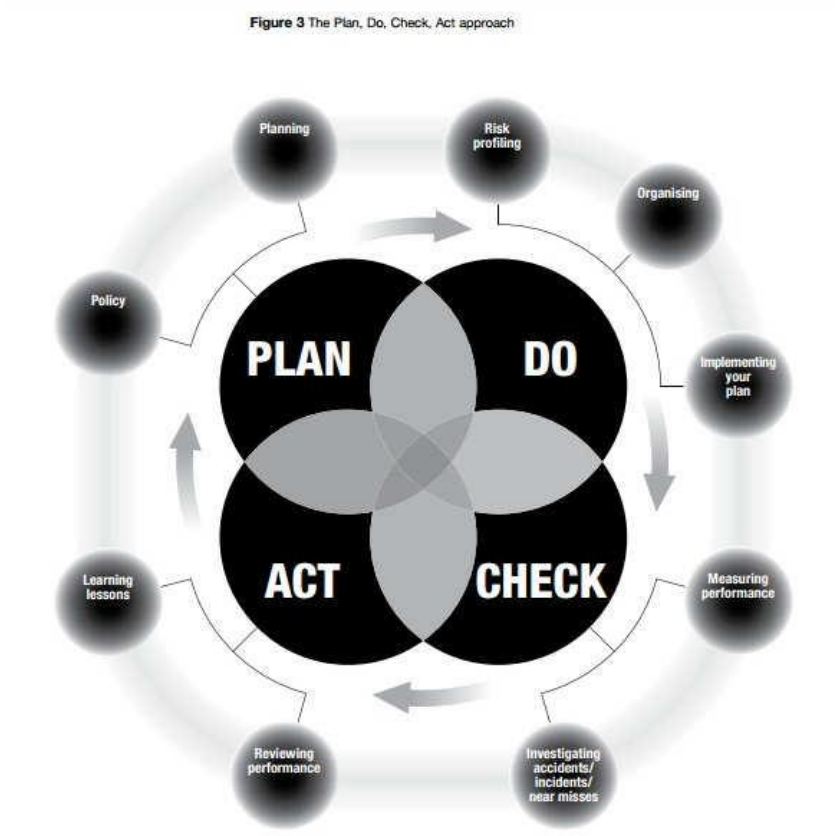
Brixton
Debden
Loughton
Buckhurst Hill
Roding Valley
Grange Hill
Chigwell
Hainault
Woodford
South Woodford
Snaresbrook
Fairlop
Barkingside
Newbury Park
Redbridge
Wanstead
Gants Hill
Leytonstone
Leyton Midland Road
Leytonstone High Road
Leyton
Wanstead Park
Woodgrange Park
Upminster
Upminster Bridge
Hornchurch
Dagenham East
Elm Park
Dagenham Heathway
Becontree
Upney
Barking
Upton Park
East Ham
Plaistow
West Ham
Bromley-by-Bow
Limehouse
Westferry
Poplar
Blackwall
East India
Canning Town
Royal Victoria
Custom House for ExCeL
Prince Regent
Royal Albert
Beckton Park
Cyprus
Gallions Reach
Beckton
King George V
London City Airport
West Silvertown
Pontoon Dock
North Greenwich
Canary Wharf
Heron Quays
South Quay
Crossharbour
Mudchute
Island Gardens
Cutty Sark for Maritime Greenwich
Greenwich
Deptford Bridge
Elverson Road
Lewisham
Woolwich Arsenal
Wapping
Shadwell
West India Quay
Rotherhithe
Canada Water
Surrey Quays
Bermondsey
London Bridge
Tower Hill
Monument
Tower Gateway
River Thames
New Cross
New Cross Gate
Brockley
Honor Oak Park
Forest Hill
Sydenham


THE LONDON UNDERGROUND
Bakerloo Line
Central Line
Circle Line
District Line
Hammersmith & City Line
Jubilee Line
Metropolitan Line
Northern Line
Piccadilly Line
Victoria Line
Waterloo & City Line
Docklands
London
Thameslink
UNDERGROUND


Service Information
Date 19 June 2019
Time 11:30
Welcome to Modernity
Wicked Problems here now
Black Swans in xxx mins
Disruption to system order
Deviance is normal
Do too much with too little
We forget to be afraid
Point



Managing for health and safety (HSG65)

Date of publication: 2013

Series code: HSG65

View the site

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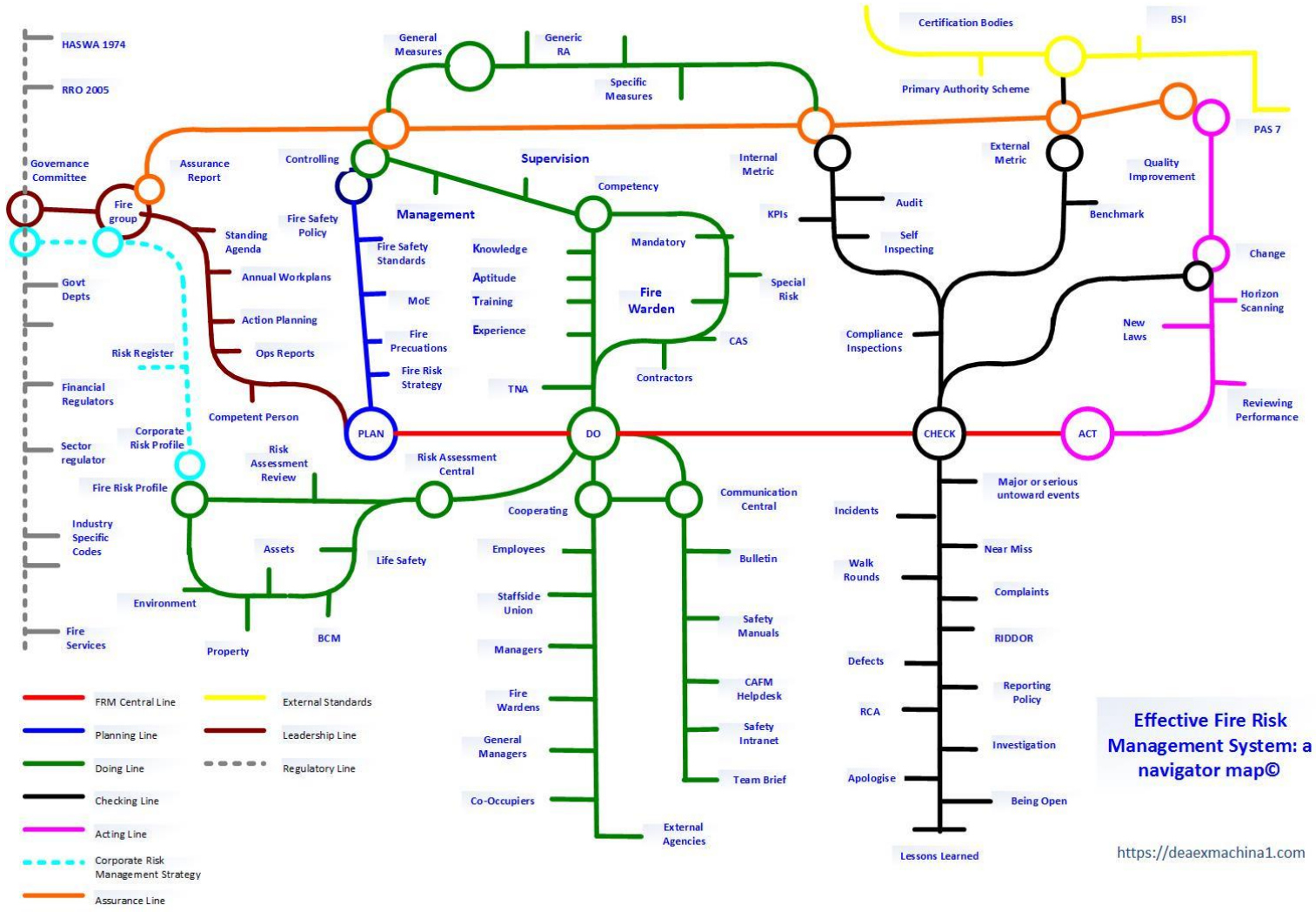
Using a PDCA Risk Management Cycle to “make arrangements”

The PDCA Navigator Map for Fire Risk Management



The Planning Line

Leadership

Policy development and planning

The Doing Line

Risk Profiling

Controlling

Communicate

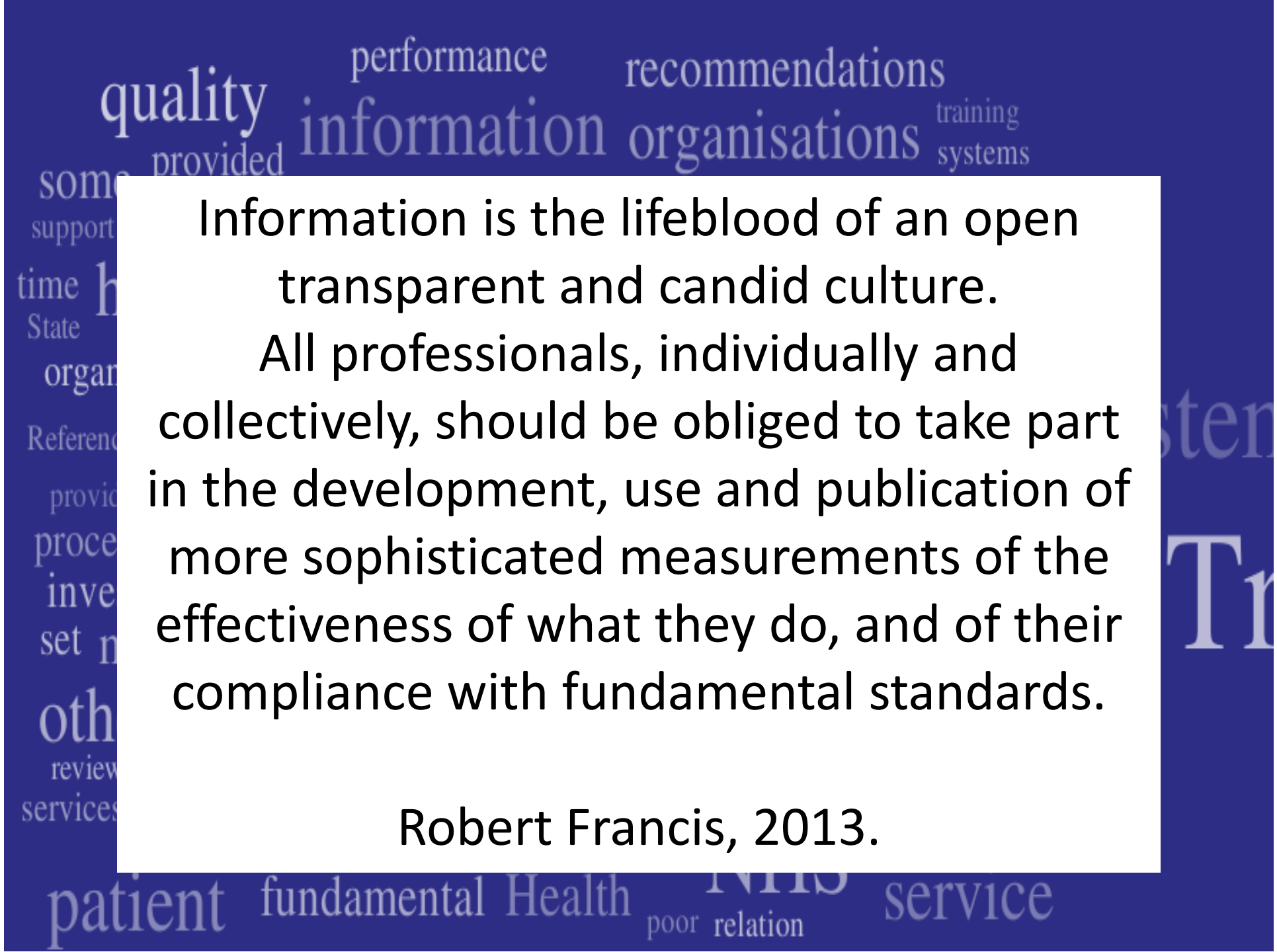
Cooperate

Competent

The Checking Line

Measuring

Investigating



Information is the lifeblood of an open transparent and candid culture.

All professionals, individually and collectively, should be obliged to take part in the development, use and publication of more sophisticated measurements of the effectiveness of what they do, and of their compliance with fundamental standards.

Robert Francis, 2013.

WHY DO WE NEED DATA?

- Regulatory Compliance
- Position in the national /local fire risk space
- Knowing how we are doing
- Continual improvement

MEASURING

Information is compared or held up against a recognised standard or indicator

DATA

simply raw unorganised facts and figures

INFORMATION

Small data that have been processed, interpreted, organised, structured or presented so as to make them meaningful or useful

DATA: each students' exam mark is one piece of data

INFORMATION: the average exam mark of the class is information that can be derived from the given data

DATA: 100 years of temperature readings

INFORMATION: data organised and analysed to find that global temperature is rising

DATA: each PTW request submitted

INFORMATION: all your PTW requests organised and analysed to find the % signed off in accordance with your stated procedure

DATA: door set1, door set2, door set n

INFORMATION: % of high usage door sets that are containment critical. % of these serviced and maintained for RRO article 17? In accordance with ASFP guidance?

BIG DATA
characterised by 3 Vs, its:
Volume
Velocity
Variety

INTELLIGENCE

Information that has been processed, sorted and distilled, evaluated and interpreted, aggregated from reliable sources and cross correlated for accuracy, presented to the decision makers in a timely and as complete as possible manner

But are we measuring the right things?

Baker Report into **BP Texas City Refinery Explosion 2005** – recommended that BP should improve its SPIs through considering proactive measures and monitoring its PROCESS (rather than PERSONAL) hazards and BP senior management were criticised for placing too much emphasis on its low LTI rate.

See Houston Chronicle for review of all incidents at refinery in 2004

See HSE sheet for recommendations following Baker (and also note similar fault in Deepwater Horizon 2010)

https://www.youtube.com/watch?v=VCcN4SQkb9A

Texas City Refinery 2005

Deepwater Horizon 2010

Deepwater Horizon: Pre-explosion problems and warnings

There had been previous spills and fires on the *Deepwater Horizon*; the US Coast Guard had issued pollution citations 18 times between 2000 and 2010, and had investigated 16 fires and other incidents. The previous fires, spills, and incidents were not considered unusual for a Gulf platform and have not been connected to the April 2010 explosion and spill. The *Deepwater Horizon* did, however, have other serious incidents, including one in 2008 in which 77 people were evacuated from the platform when it listed and began to sink after a section of pipe was accidentally removed from the platform's ballast system. By April 20, 2010 the *Deepwater Horizon* well operation was already running five weeks late. Internal BP documents show that BP engineers had concerns as early as 2009 that the metal casing BP wanted to use might collapse under high pressure. In March 2010, the rig experienced problems that included drilling mud falling into the undersea oil formation, sudden gas releases, a pipe falling into the well, and at least three occasions of the blowout preventer leaking fluid. The rig's mechanic stated that the well had problems for months and that the drill repeatedly kicked due to high gas pressure providing resistance. A confidential survey commissioned by Transocean weeks before the explosion states that workers were concerned about safety practices and feared reprisals if they reported mistakes or other problems. On the day the rig exploded, 79 of the 126 people on the rig were Transocean employees. BP Vice President of drilling, Patrick O'Bryan was on the platform two hours prior to the explosion. He had arrived to celebrate seven years without a "lost-time incident" with the rig's crew.

NHS

Answers on a postcard...

...or text, email, internet. We'll be asking you this simple question to make improvements to the local services you receive

"How likely are you to recommend our ward/A&E department to friends and family if they needed similar care or treatment?"

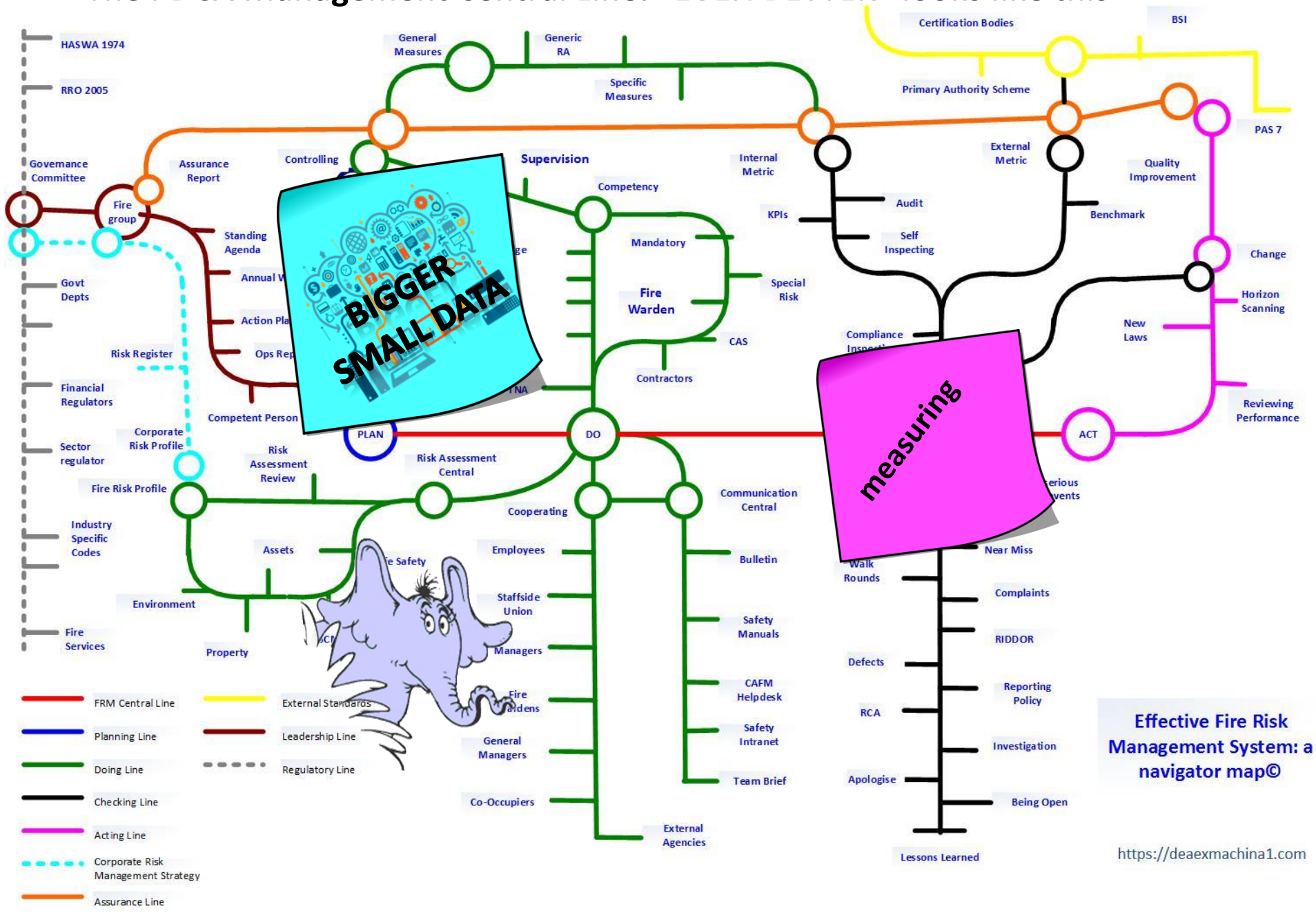
For more information about the Friends and Family Test programme -

email:
msc.nationalfriendsandfamilytest@nhs.net
or visit:
www.eoe.nhs.uk/strategicprojects

Produced by The Strategic Projects Team Ref: ADMPT/10163/091112

The Friends & Family Test
Part of the NHS Patient Revolution

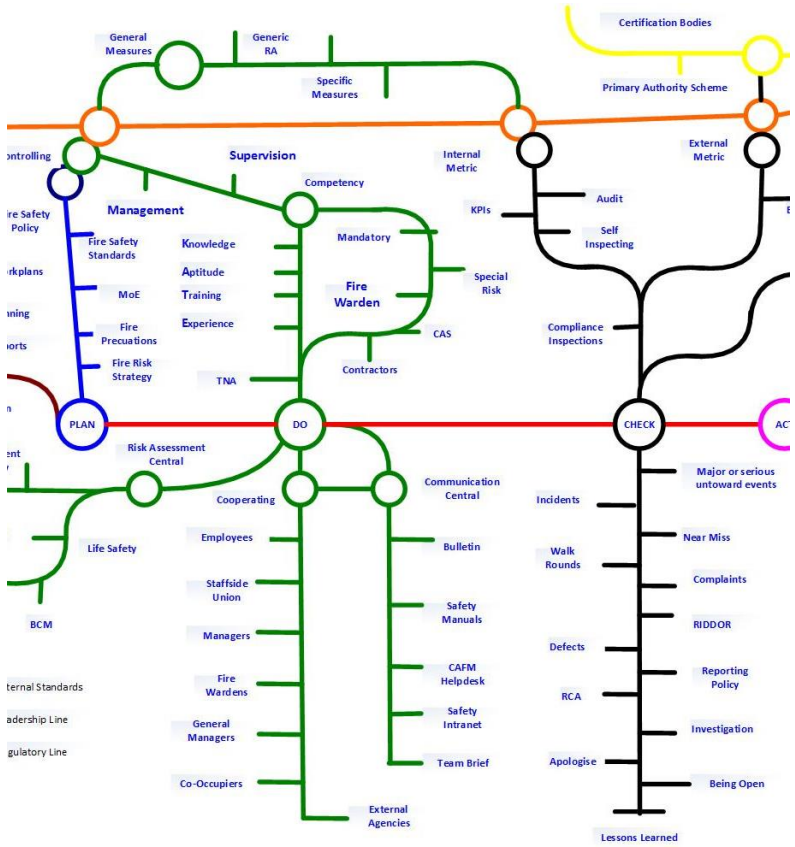
The PDCA Management Central Line: "EVEN BETTER" looks like this



The Acting Line

Reviewing Performance

Acting on Learning



What's your pledge to effective fire risk management?