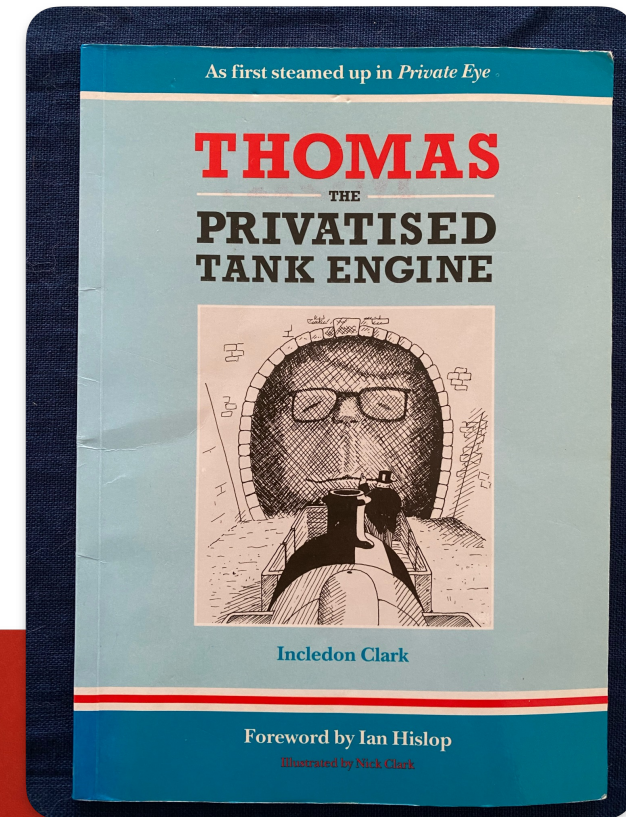
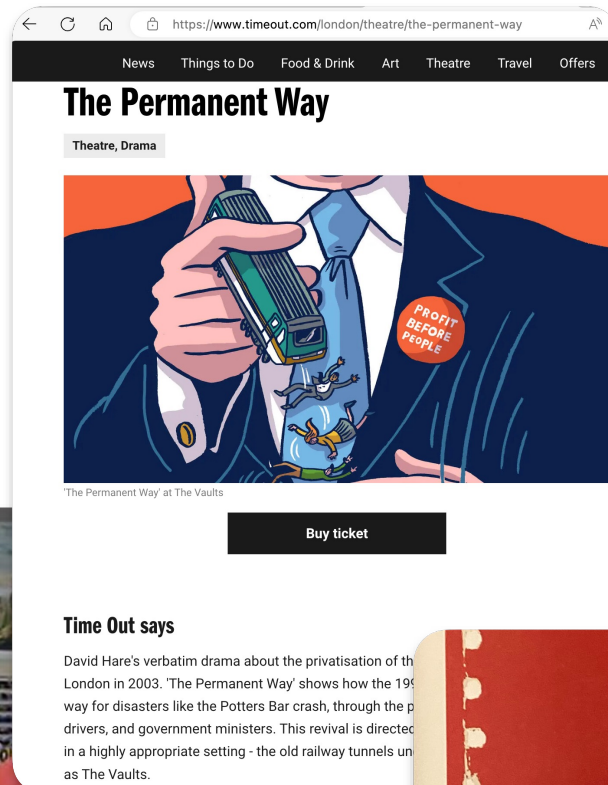
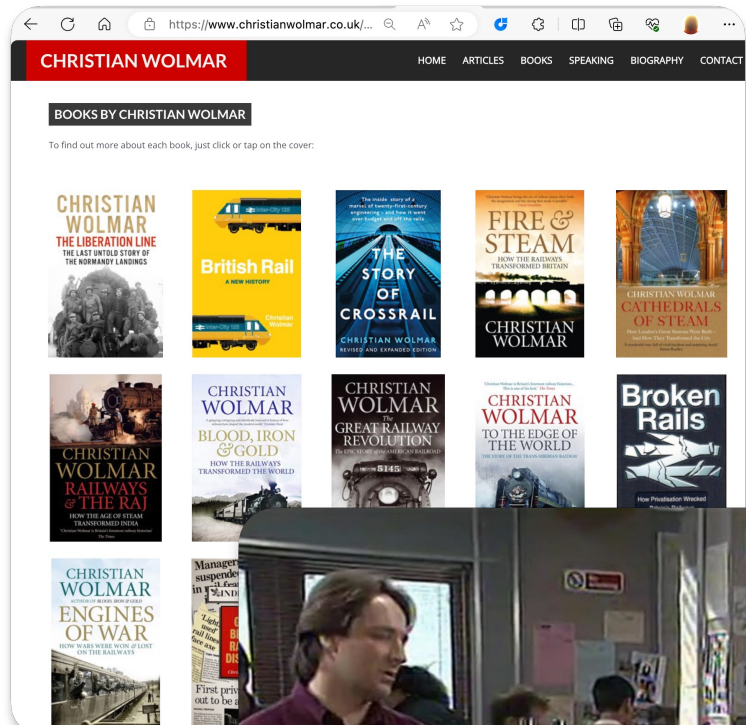
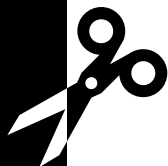


Thomas the Privatised Tank Engine 30 years on

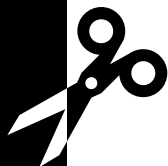


Image: u/Deadeye1445 reddit.com

Ashley Rolfmore
@leymoo@hachyderm.io (mastodon)
@ashley.rolfmore.com (bsky)



Do not remove this page
Further copies are obtainable from the Director of Industrial Design



Submitted by the awesome [Gnimmet's House of Maps](#), who says:

There are a lot of infographics around which are based on the tube map, and a lot which are based on the periodic table. So I decided to combine the two. Here's a tube map of the periodic table (see [also here](#) for more details) and there's also a [periodic table of the tube map](#).

Fantasy Map: A Tube Map of the Periodic Table of Elements

November 26, 2012
Leave a comment
Filed Under:
Fantasy Maps
Tags:
4 stars, Harry Beck, HC Beck, periodic table, science, submission, tube map

Tube Map of the Periodic Table



LONDONIST FOOD & DRINK PUBS THINGS TO DO BEYOND LONDON

Alternative Tube Maps: Straight Lines And Circles

By M@
Last edited 136 months ago
Last Updated 29 January 2013

Search

dads.cool is part of the decentralized social network powered by [Mastodon](#).

dads.cool is a Mastodon instance for dads, running the Hometown fork of Mastodon.

ADMINISTERED BY: [dadsite ... @alex](#) **SERVER STATS:** **58** active users

[Learn more](#)

[dads.cool: About](#) · [Profiles directory](#) · [Privacy policy](#)

[Hometown: About](#) · [View source code](#) · v4.0.15+hometown-1.1.1

[Back](#) [Sign in](#)

Sid [@InternetEh@dads.cool](#)

Train good car bad

Leftists discussing nearly anything:

Leftists discussing their love of trains:

Apr 27, 2024, 19:19 · Tusky · 151 · 288



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Labour pledges



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Labour pledge railways within

A Labour government would e ownership within its first term

Helen Corbett • Thursday 25



REUTERS®

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UK's Labour outlines plan to ways within 5 years



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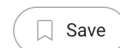


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Home / News / World News / UK's Labour Outlines Plan to R...

UK's Labour Outlines Plan to Renationalise Railways Within 5 Years

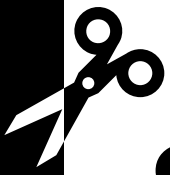
By [Reuters](#) | April 24, 2024, at 5:33 p.m.





British

Rail



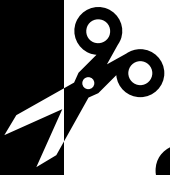
Something for everyone

Novices

Find out just how
complicated privatisation is

Discover some recent
developments

Learn why split ticketing
works



Something for everyone

Novices

~~Find out just how complicated privatisation is~~

~~Discover some recent developments~~

~~Learn why split ticketing works~~

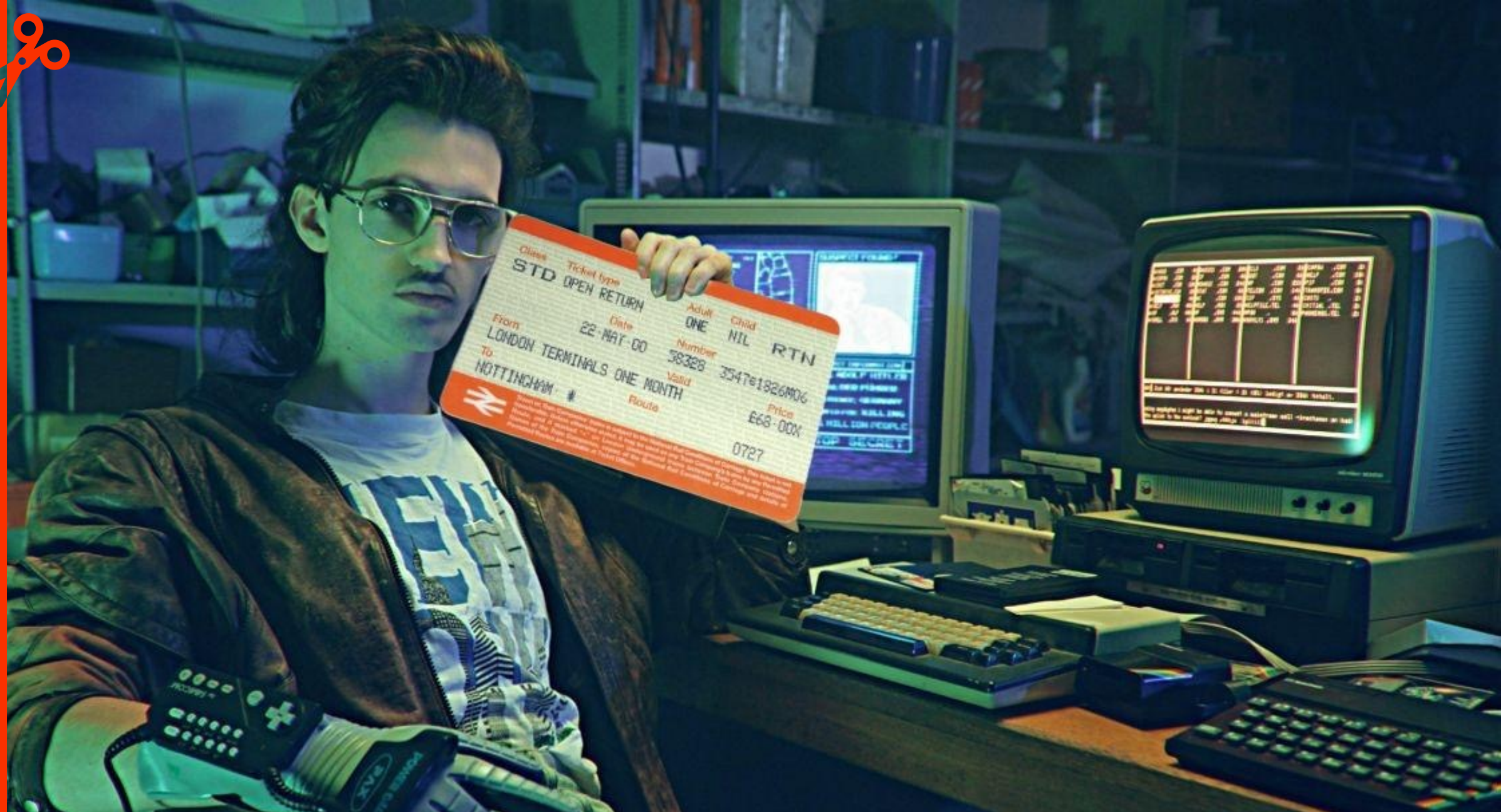
Experts

Commiserate on just how complicated privatisation is

Moan about the recent developments

Nod knowingly at the split ticketing explanations

BONUS: Correct me at the bar

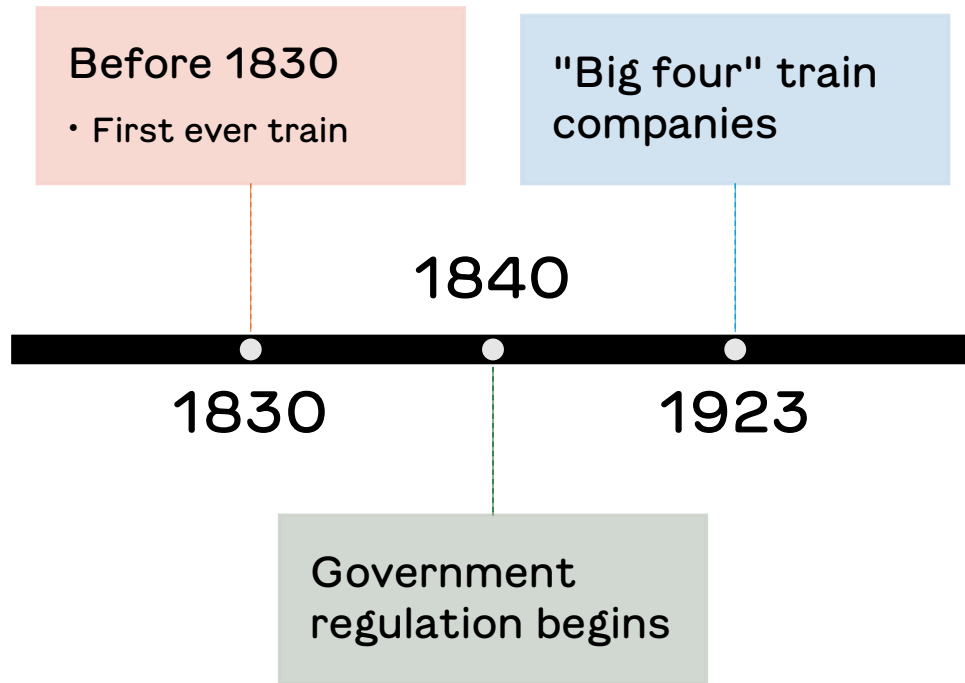


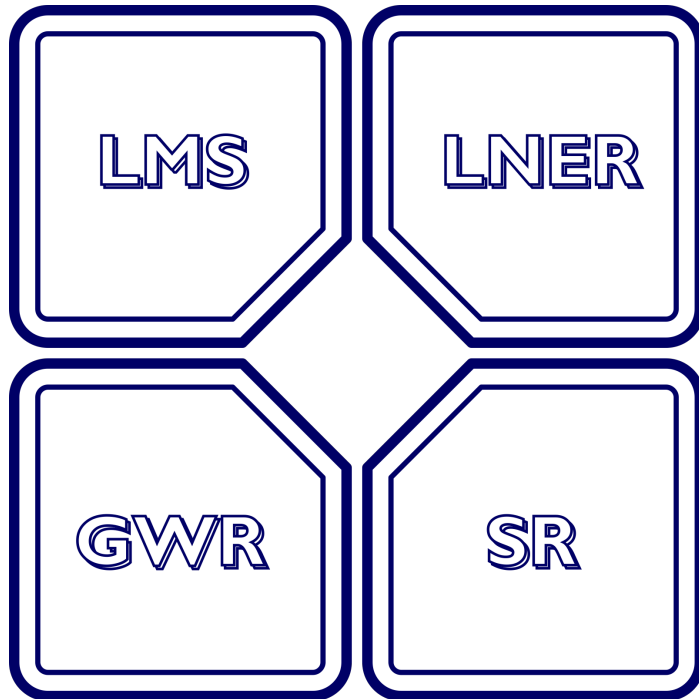
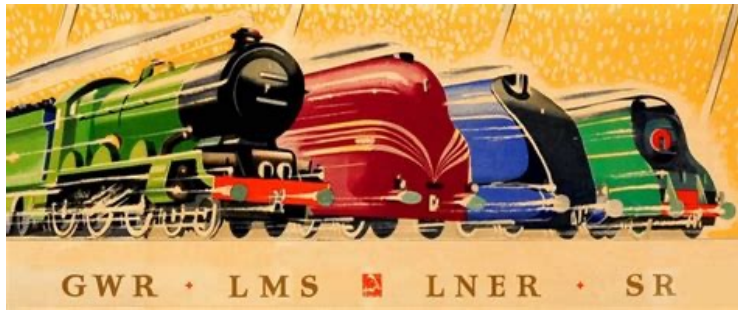


Ancient History



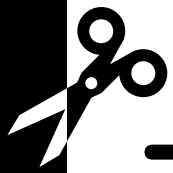
Before nationalisation



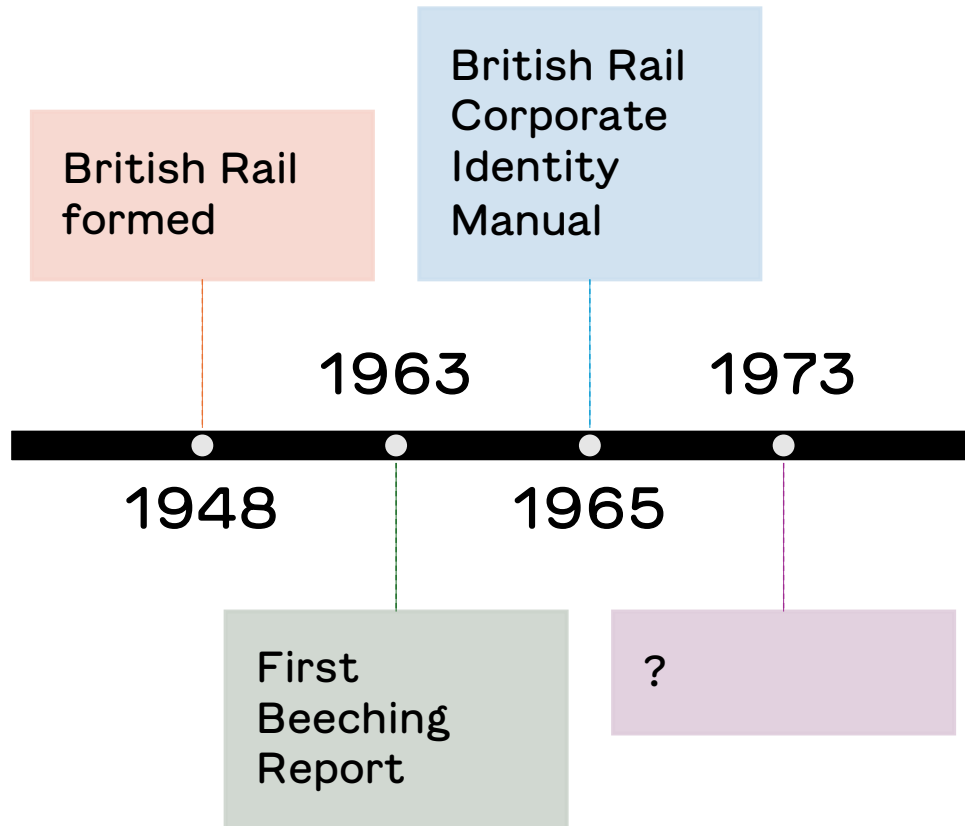


1923 GROUPING





The British Rail era





<https://www.flickr.com/photos/24736216@N07/6432929425/> (Roger W)
<https://creativecommons.org/licenses/by-sa/2.0/>

SPECIFICATION

(11) 1310990

DRAWINGS ATTACHED

1983/70 (22) Filed 14 Dec. 1970

filed 10 March 1972

published 21 March 1973

G21B 1/00; B64G 1/00



DIAMOND FREDERICK

(54) SPACE VEHICLE

BRITISH RAILWAYS

Authority established under
the Transport Act 1962, of
London, N.W.1, do
invention, for which we
be granted to us, and
it is to be performed,
described in and by the fol-

vention relates to a space ve-
particularly it relates to a power
vehicle which offers a source
the loss of a very small
it would enable very high
in a space vehicle and
eleration of the vehi-
stances be used to

invention there is
including a platform,
provided at the
ans for supply-
one or more

by laser energy, and/or energetic particles
reflected from a previous pulse. The system
will be arranged so that the fusion process will
decay after each pulse so that the stability of
the system is maintained. The pulse frequency
will generally be greater than 1000Hz to avoid
structural vibration within the vehicle.

The fusion zone 12 will be supplied with
liquid fuel pumped through a nozzle 13 at
high pressure.

The vehicle contains powerful electromag-
nets 14, possibly superconducting magnets,
whose fields will extend into the space below
the vehicle. These fields will deflect charged
particles produced by the thermonuclear reac-
tion either towards the underside of the vehicle
or away from it. The particles deflected to-
wards the underside of the vehicle will be re-
ceived on insulated electrodes 15 and provide
a source of electric power. The particles
deflected away from the vehicle will contribute
to the vehicle lift by a greater amount than
if they had simply ejected from the reaction

50

55

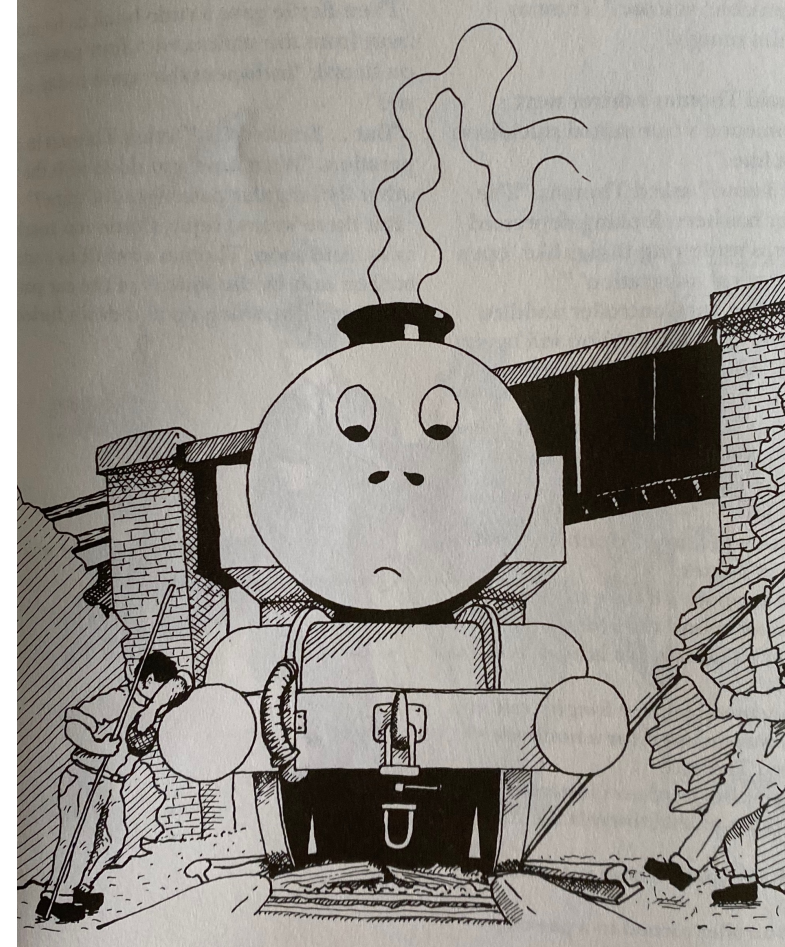
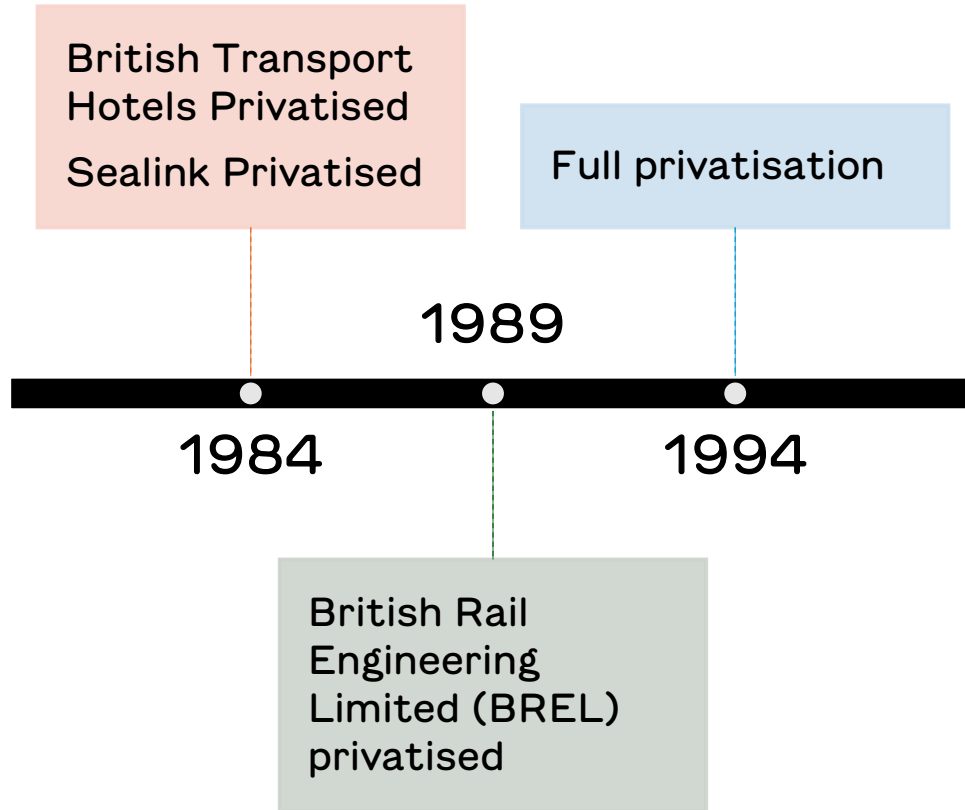
60

65

70



Privatisation



British Transport Hotels



in England and Scotland
for business and leisure

Hôtels en Angleterre et en Ecosse
pour les affaires ou les loisirs

Hotels in England und Schottland
für Geschäfts – und Vergnügungsreisen

Hoteles en Inglaterra y Escocia
para el descanso y los negocios

Alberghi in Inghilterra e Scozia
per affari e vacanze

BTH is a member of Etap Hotels International



Hotels: Science Museum Group Collection

© The board of trustees of the Science Museum

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Sealink ferry: <https://www.flickr.com/photos/16179216@N07/8646643522/> Barry Lewis



British Rail Engineering Limited



Sailrail lets you ferry & train for a fraction of the usual train price

Book at tfw.wales

TRAIN - SHIP TICKET

13 APR 2018

THIS IS NOT A SHIP "CONTROL" TICKET

Office AND DATE OF ISSUE

TO	GRAD CLASS	DUINE FÁSTA / ADULT	ÓGÁNACH/JUVENILE	PÁISTE / CHILD	PÁISTE / CHILD	TOTAL
Dublin Port	1	1 @ 50 =	@ =	@ =	@ =	€ 81
Reading Stations	2					
Zone D						
Supersaver						

Reduction

Fáth

Saghas Ticéid

Reason

Ticket Type

OAS

Day Travelcard

Class Ticket type Start date Price

STD ANYTIME DAY TO 31-JNR-19 £55.90 X

Valid until 31-JNR-19 273118932

Between

READING STATIONS & LONDON ZONES 1-6

Route ANY PERMITTED

Number 31462

Valid within zone(s) indicated. Not for resale.

Valid as advertised

Printed 07:29 on 31-JNR-19

Class Ticket type Start date Price

STD SAILRAIL STNDBY ONE 12-APR-19 94628 6857174957

From 0500

Valid until 12-APR-19

Price £46.50X

READING STATIONS

To DUBLIN FYPT (CTV) XCVD IRISHE CIV

Route

Valid until

Printed 19:20 on 05-MCH-19

SINGLE

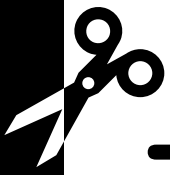
Hack: Sailrail



1990 to 1994

Ask your parents





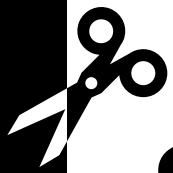
The trigger?

1991

EU Directive 91/440.[29] This required of all EU member states to separate

"the management of railway operation and infrastructure from the provision of railway transport services, separation of accounts being compulsory and organisational or institutional separation being optional",

the idea being that the track operator would charge the train operator a transparent fee to run its trains over the network, and anyone else could also run trains under the same conditions (open access).



Some background...

1993: unexpected election win by the Tories

John Major as PM

Lots of Tory infighting

Lobbying from the Adam Smith Institute

The Railways Act 1993





Instead of this



Track and stuff

BR Trains and
stuff



New private
"open access"
operators

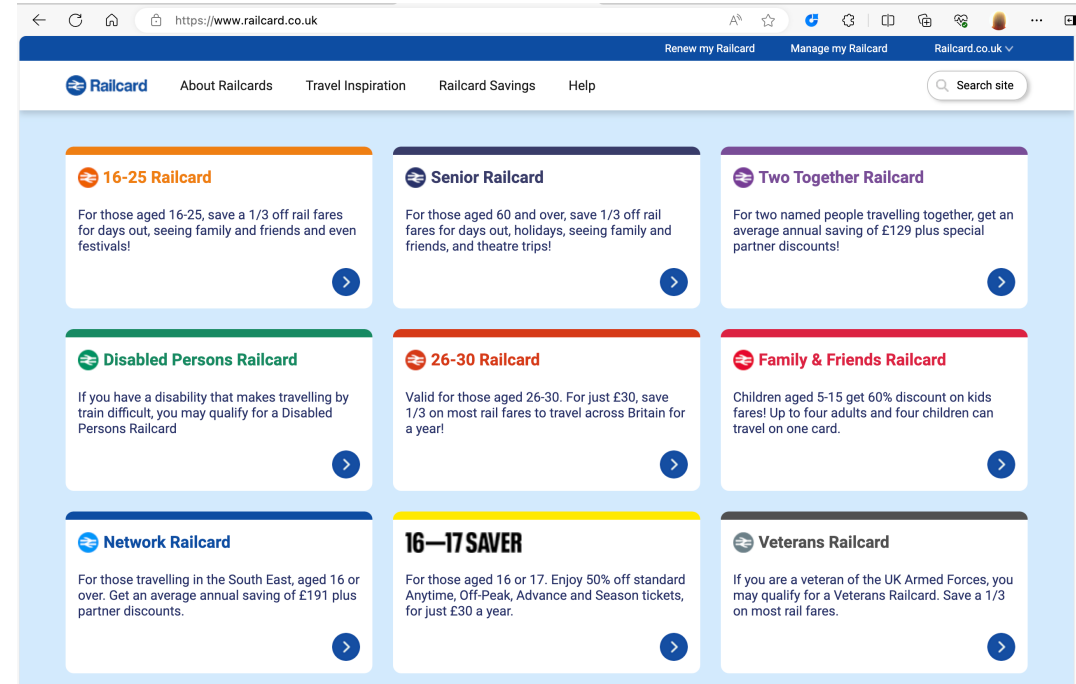
A man with a mustache, wearing a light blue button-down shirt and a dark tie with yellow diagonal stripes, stands in front of a wall. The wall is covered with numerous white papers, some of which have handwritten text like "REPE" and "EVIA". Red string is tied across the wall in a crisscross pattern, connecting various points. The man is holding a lit cigarette in his right hand and pointing his left index finger towards the camera. The overall scene suggests a complex investigation or a chaotic office environment.

We got this



Not all hope was lost

Thanks to 15 rebellious MPs, we kept national railcards



<https://www.independent.co.uk/news/minister-ready-for-br-discounts-climbdown-win-for-tory-rebels-on-railcards-as-government-announces-plan-to-split-passenger-rail-network-into-25-franchises-2324985.html>

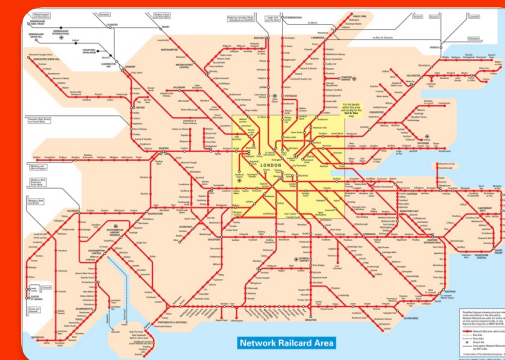


Great savings with a Cotswold Line Railcard
Valid at most stations between Worcester Foregate Street and Oxford.
1/3 off the price of Off-Peak fares for journeys between any two stations on the Cotswold Line

Worcester Foregate Street
Worcester Shrub Hill
Worcestershire Parkway (opens December 2018)
Pershore
Evesham
Honeybourne
Moreton-in-Marsh
Shipston
Ascott-under-Wychwood
Charlbury
Finstock
Combe
Hanborough
Oxford

Devon & Cornwall Railcard

JUST £12



<https://www.scotrail.co.uk/tickets/railcards/highland-railcard>

ScotRail
Buy Tickets | Check Service | Next Train

Highland Railcard

Get 50% OFF rail fares on selected routes with the Highland Railcard.

Esk Valley Railcard
Save 1/3 off local rail fares

Home > Train Ticket Types > Esk Valley Railcard

The popular Esk Valley Railcard saves you 1/3 off the majority of local rail fares, for only £10 annually. Not only that, but you'll also gain other benefits, including 1/3 off North Yorkshire Moors and the Esk Valley Railways.

Region specific railcards often can save you money when you don't qualify for a national railcard

Hack: Regional railcards



Franchise



Basics



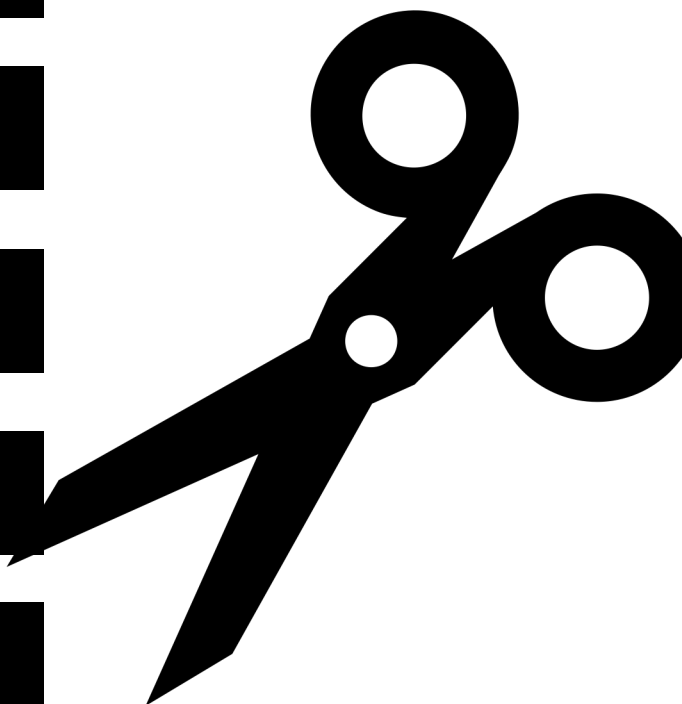
Trains

Routes

Track & Infrastructure
maintenance

Stations

Ticketing



New lines

Land

Profit

Safety & Regulatory
bodies



Trains

Routes

Track & Infrastructure
maintenance

Stations

Ticketing



New lines

Land

Profit

Safety & Regulatory
bodies



“We need this route covered by a train service”



Department for
Transport

DfT



TOC

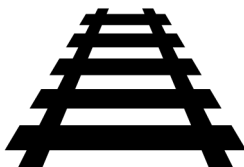
Train Operating
Company



ROSCO



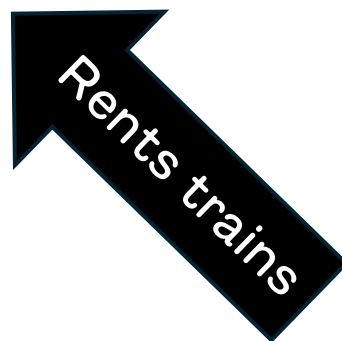
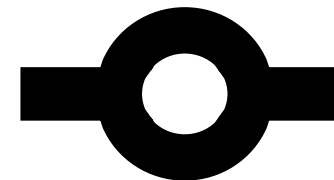
Track
maintainer



Ticketing
rules



Run
stations



Franchise



<https://www.leasinglife.com/features/who-owns-the-trains-rosco-and-repatriated-profits/>

Subsidises lease & losses

DfT

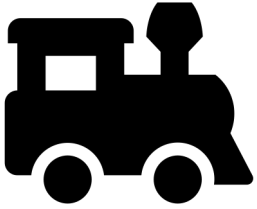


TOC

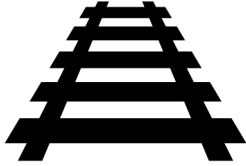
<https://www.orr.gov.uk/about/who-we-work-with/industry/rolling-stock-companies>



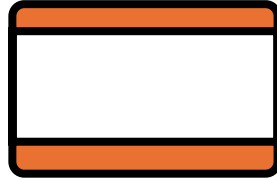
ROSCO



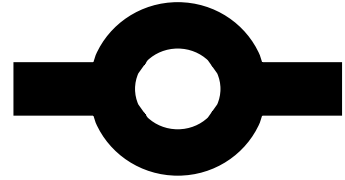
Track
maintainer



Ticketing
rules



Run
stations



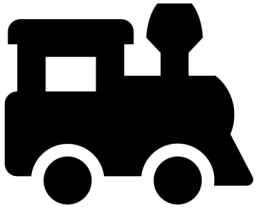
DfT



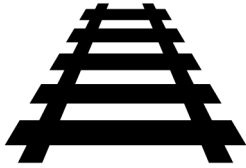
TOC



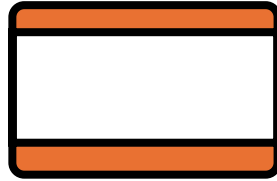
ROSCO



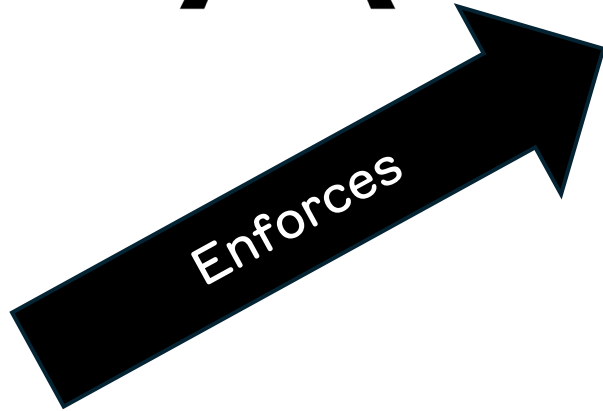
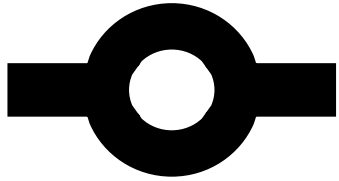
Track
maintainer



Ticketing
rules



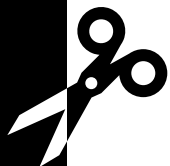
Run
stations



DfT



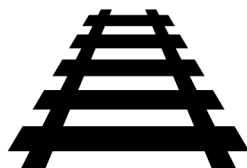
TOC



ROSCO



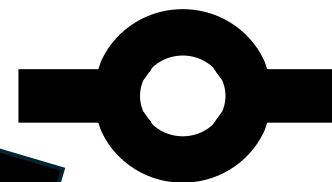
Track
maintainer



Ticketing
rules



Run
stations



Sets rules on

Franchise



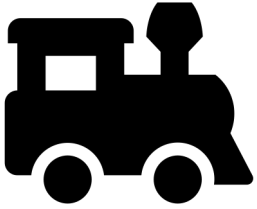
DfT



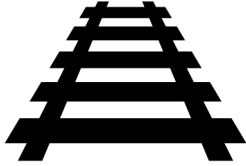
TOC



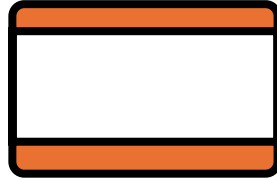
ROSCO



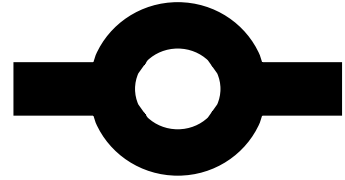
Track
maintainer



Ticketing
rules



Run
stations



DfT



TOC

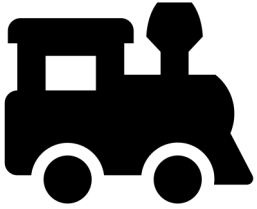


Other
rules



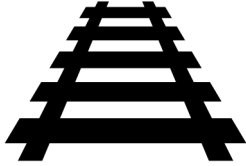


ROSCO



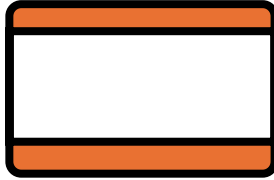
3 “main”
ROSCOs

Track
maintainer



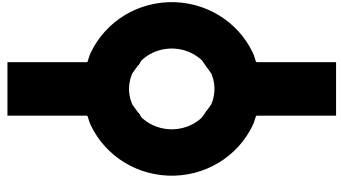
Mostly
Network
Rail

Ticketing
rules



Mainly Rail
Delivery
Group

Run
stations



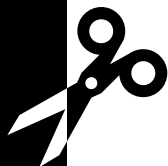
Owned by
Network
Rail



DfT

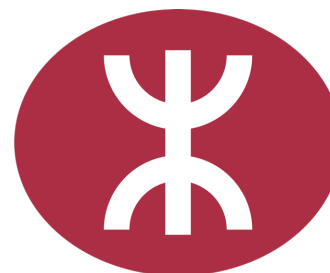


TOC



Franchise TOCs

Commercially-operated rail franchises in Great Britain						
Franchise	Franchise since	TOC	Owner	Start date	Core Term Expiry Date	End date
Chiltern	21 July 1996	Chiltern Railways	Arriva	21 July 1996	1 April 2025 ^[8]	12 December 2027 ^[8]
East Anglia	1 April 2004	Greater Anglia	Transport UK Group (60%) Mitsui (40%)	16 October 2016	15 September 2024 ^[9]	20 September 2026 ^[9]
East Midlands	11 November 2007	East Midlands Railway	Transport UK Group	18 August 2019	18 October 2026 ^[10]	13 October 2030 ^[10]
Essex Thameside	26 May 1996	c2c	Trenitalia	9 November 2014	N/A	20 July 2025 ^[11]
Greater Western	1 April 2006	Great Western Railway	FirstGroup	1 April 2006	22 June 2025 ^[12]	25 June 2028 ^[12]
New CrossCountry	11 November 2007	CrossCountry	Arriva	11 November 2007	17 October 2027 ^[13]	12 October 2031 ^[13]
South Western	4 February 1996	South Western Railway	FirstGroup (70%) MTR Corporation (30%)	20 August 2017	N/A	28 May 2025 ^[14]
Thameslink, Southern & Great Northern	14 September 2014	Govia Thameslink Railway	Govia	14 September 2014	1 April 2025 ^[15]	1 April 2028 ^[15]
West Coast Partnership	8 December 2019	Avanti West Coast	FirstGroup (70%) Trenitalia (30%)	8 December 2019 ^[16] ^[17]	18 October 2026 ^[18]	17 October 2032 ^[18]
West Midlands	11 November 2007	West Midlands Trains	Transport UK Group (70%) JR East (15%) Mitsui (15%)	10 December 2017 ^[19]	15 September 2024 ^[20]	20 September 2026 ^[20]
ScotRail	1 April 2015	Caledonian Sleeper	Scottish Rail Holdings	25 June 2023	–	–
InterCity East Coast	28 April 1996	London North Eastern Railway	DfT OLR Holdings	24 June 2018	–	–
Northern Trains	12 December 2004	Northern	DfT OLR Holdings	1 March 2020 ^[21]	1 March 2025 ^[22]	1 March 2025 ^[22]
ScotRail	31 March 1997	ScotRail	Scottish Rail Holdings	1 April 2022 ^[23]	– ^[16]	– ^[16]
South Eastern	1 April 2006	Southeastern	DfT OLR Holdings	16 October 2021	17 October 2027 ^[24]	17 October 2027 ^[24]
TransPennine Express	1 February 2004	TransPennine Express	DfT OLR Holdings	28 May 2023 ^[25]	–	–
Wales & Borders franchise	14 October 2001	Transport for Wales Rail	Transport for Wales	7 February 2021 ^[26]	–	–





ROSCOs



EVERSHOLT
UK RAILS GROUP

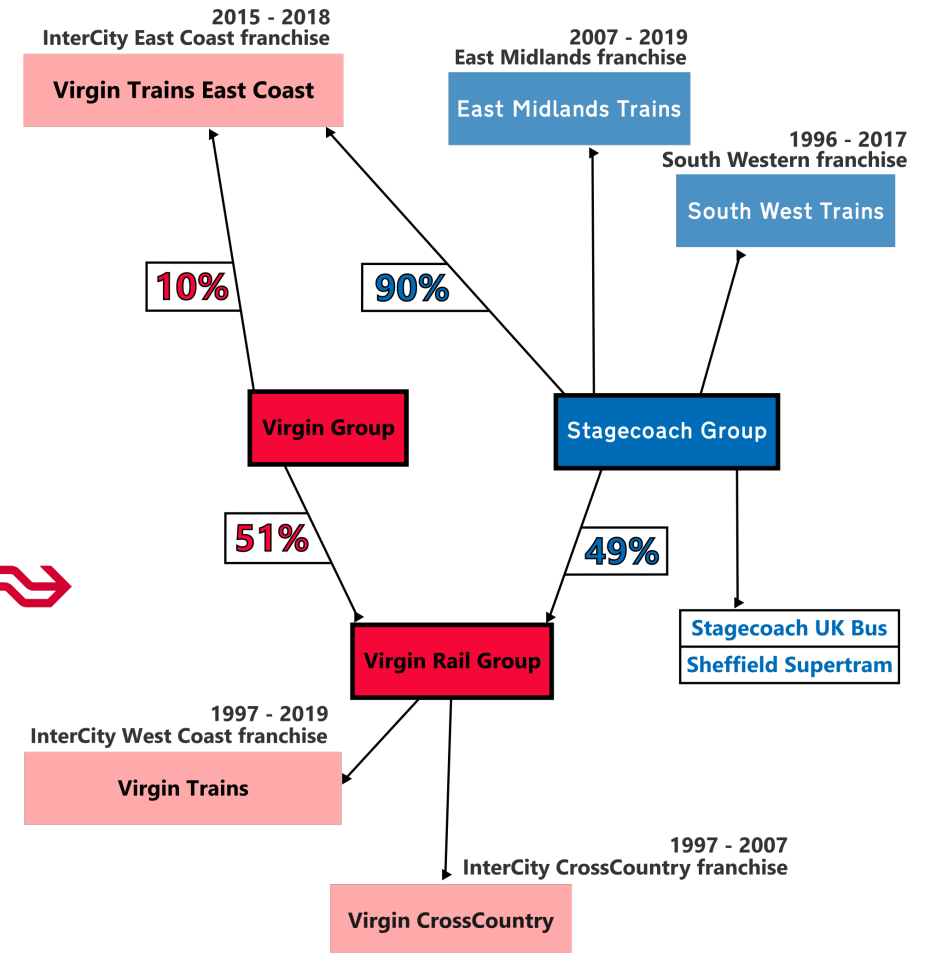
porterbrook



angel^{Trains}



Gone but not
forgotten



https://en.wikipedia.org/wiki/Virgin_Trains#/media/File:Stagecoach_and_Virgin_Trains_structure.svg

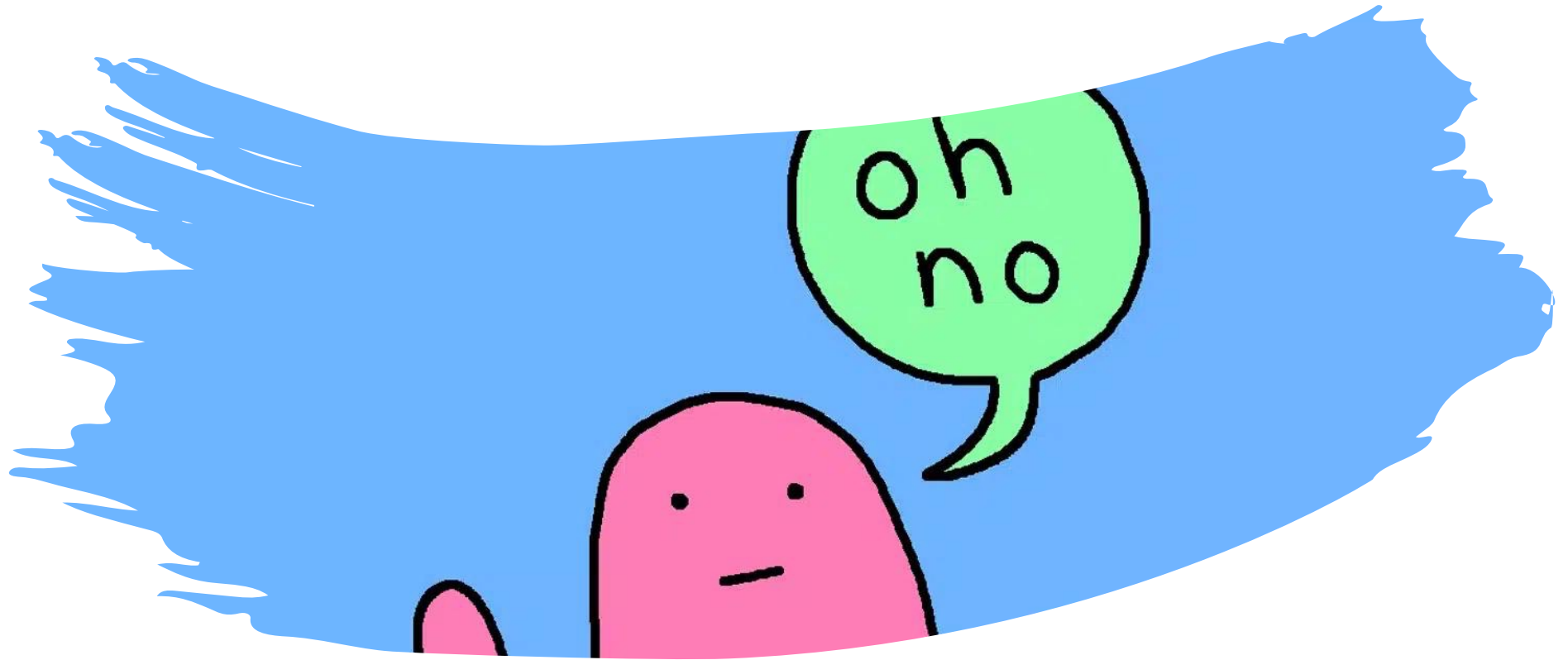


https://www.reddit.com/r/funny/comments/f974tk/buses_replaced_the_train_line_today/

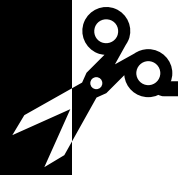
plusbus.info



Hack: Plusbus lets you save bus fares on multimodal journeys, including season tickets



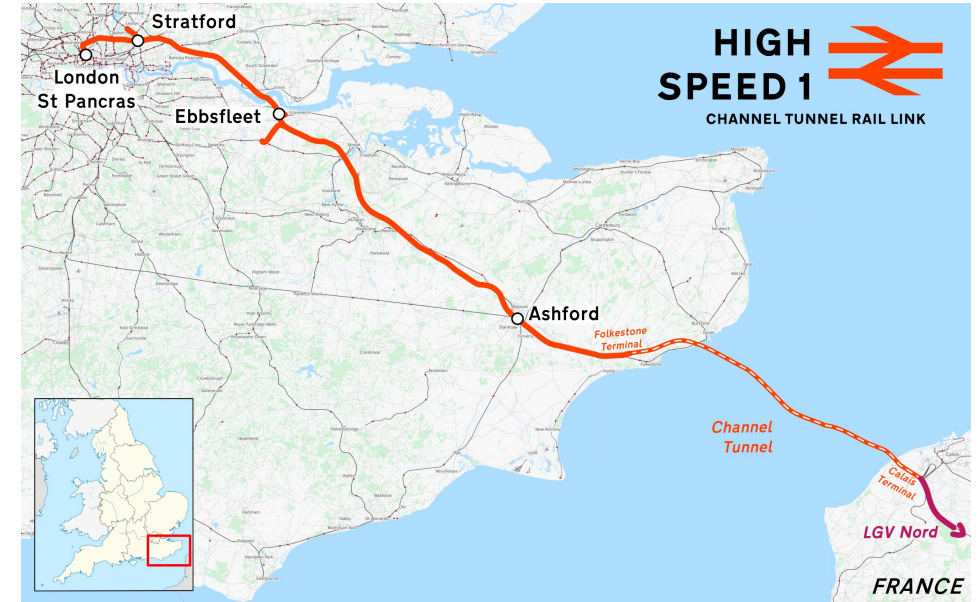
Simple, right?



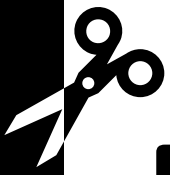
Track is mainly Network Rail but also not...



By Cnbrb - Own work, CC BY-SA 4.0,
<https://commons.wikimedia.org/w/index.php?curid=138613577>



By Rcsprinter123 - Own work, CC BY 3.0,
<https://commons.wikimedia.org/w/index.php?curid=91348646>



Even Southeastern got confused

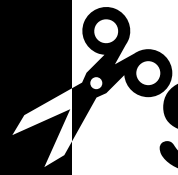
The rail franchise system is so confusing,
no wonder Southeastern mislaid £25m

Jon Elledge



The government failed to notice millions of taxpayers' money
missing for seven years. Now the company has lost its licence

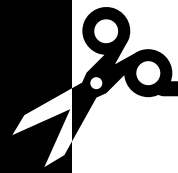
<https://www.theguardian.com/commentisfree/2021/oct/01/rail-franchise-system-southeastern-25-million-licence>



Stations are mainly managed by TOCs but also not



20 of the largest stations managed by Network Rail instead



TOCs are mainly franchises but also not...



Heathrow
Express



eurostar



GRAND CENTRAL
by arriva

lumo



Hull Trains

Your local link to London

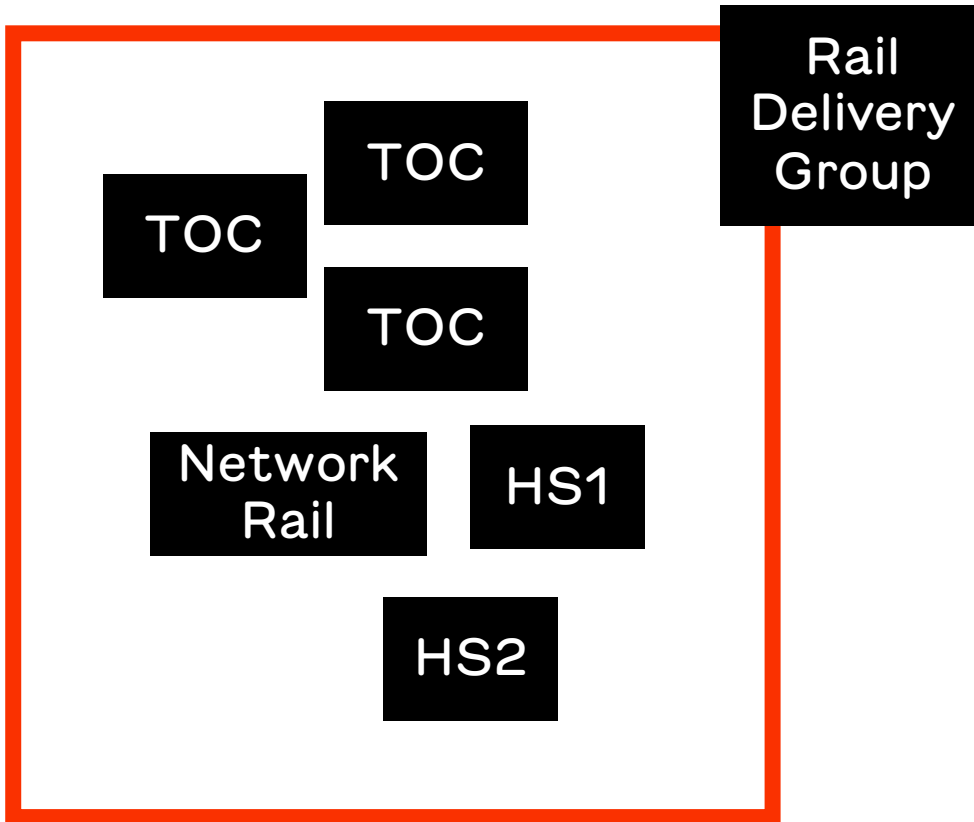
Open Access Operators

Keep all
financial risk

Pay fees to
use the track



Bringing it all together...





Bringing it all together...

Rail Delivery Group

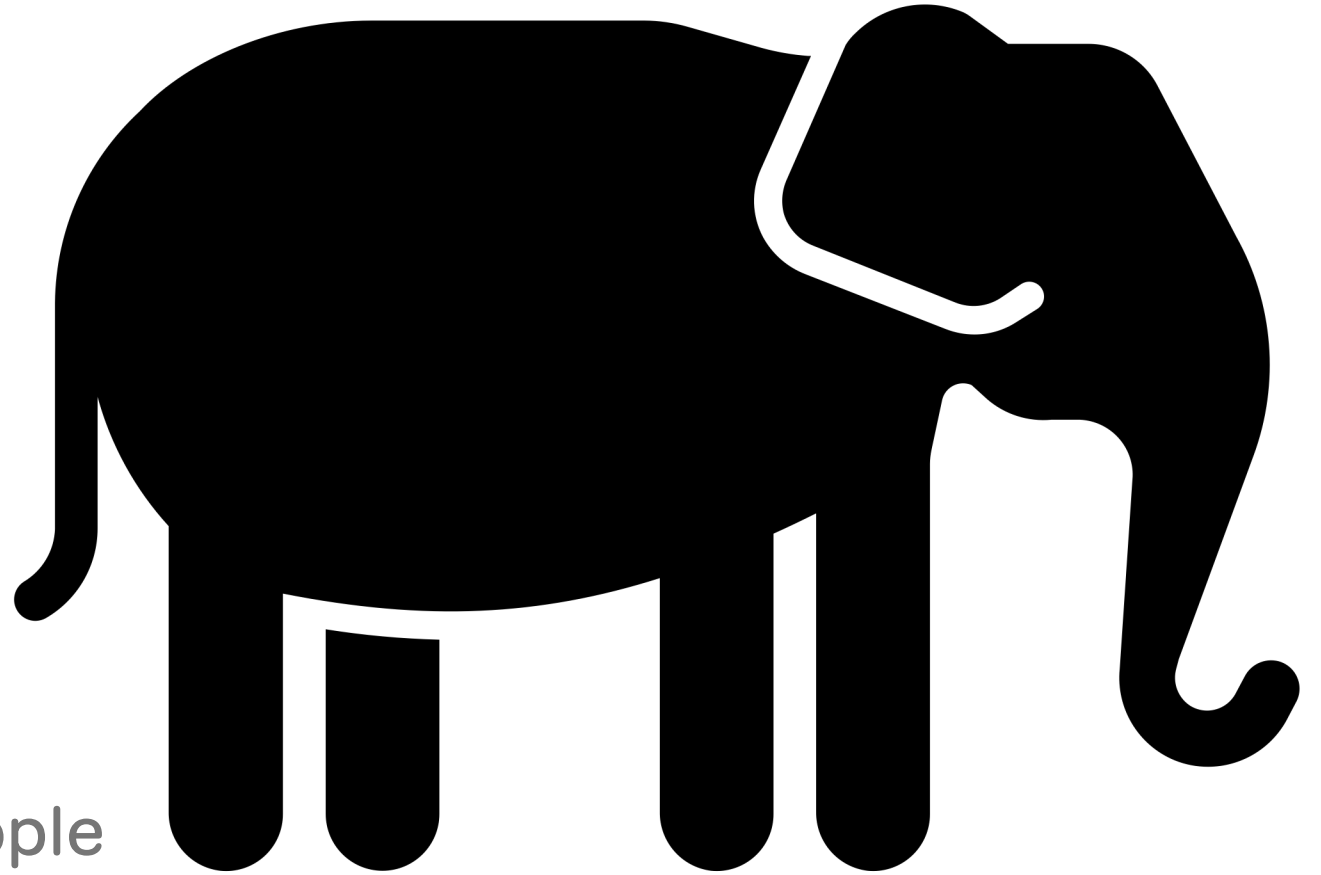


National Rail



But!

Sorry, we forgot some people



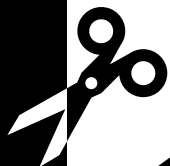


Those smug Londoners

Mayors
&
Devolved
transport
powers

Also,
Merseyrail





1993 was a simpler time...

Overground?

Crossrail?

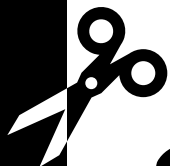
Thameslink?

Oyster and contactless?

SE London?



<https://clarksbury.com/cdl/maps.html>



2024 less so!

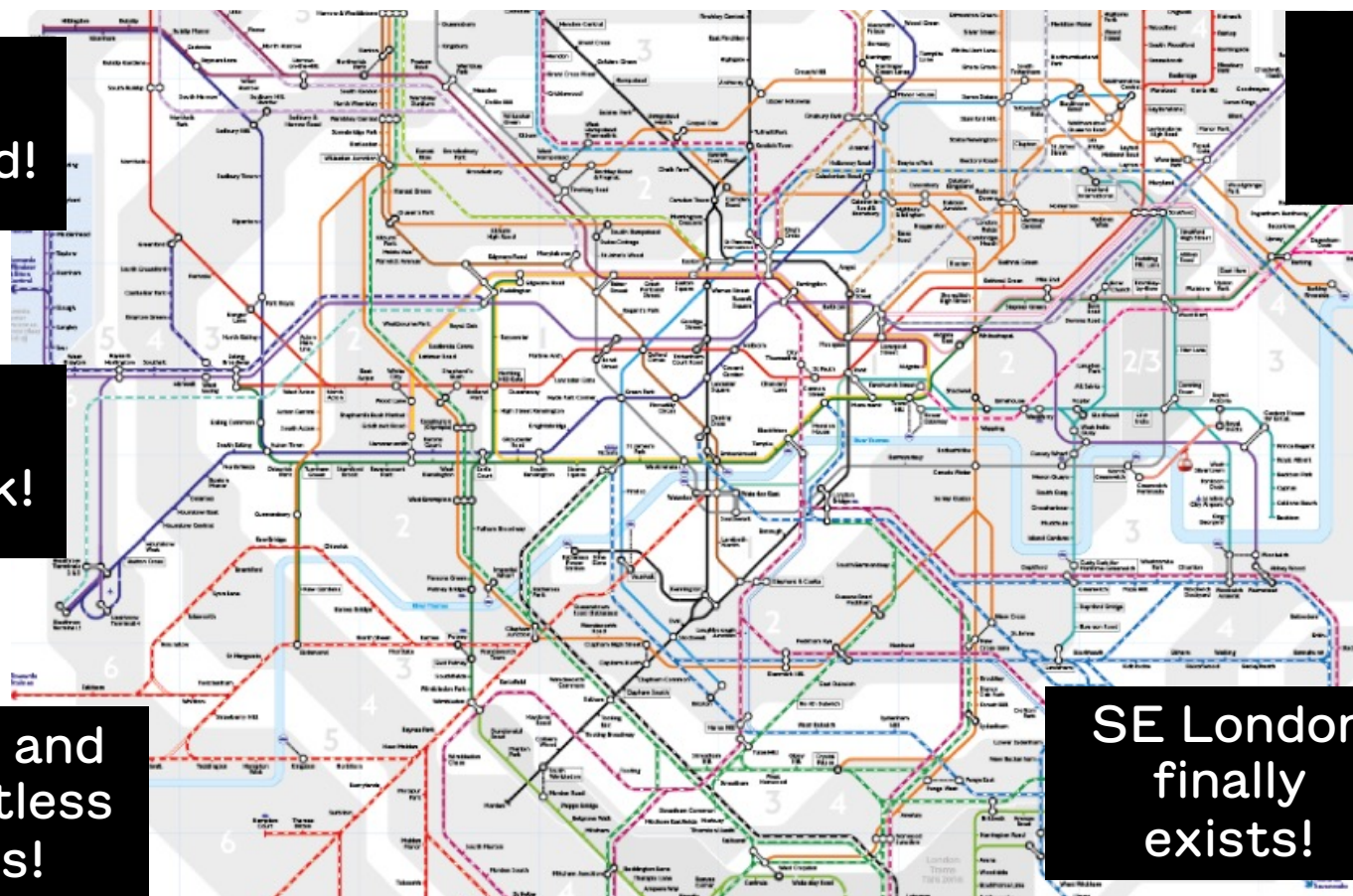
So much
Overground!

Elizabeth
line!

All the
Thameslink!

Oyster and
contactless
zones!

SE London
finally
exists!





After

Privatisation

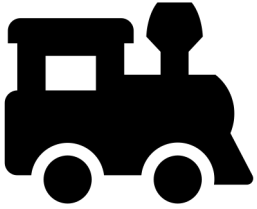


1995 to today

Ask your parents

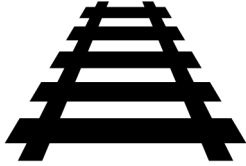


ROSCO



3 "main"
ROSCOs

Track
maintainer



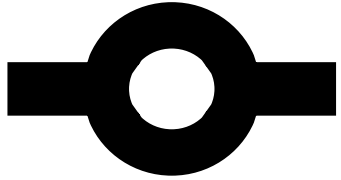
Mainly
Network
Rail

Ticketing
rules



Mainly Rail
Delivery
Group

Run
stations



Owned by
Network
Rail

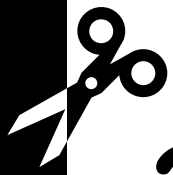


DfT



TOC

Recap...

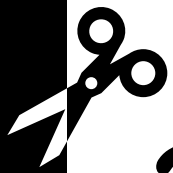


2002: Railtrack renationalised

1997 Southall rail crash

1999 Ladbroke Grove rail crash

2000 Hatfield rail crash



2018+ Many TOCs renationalised

“Operator of last resort”

7 out of the 17 franchises are run by the government

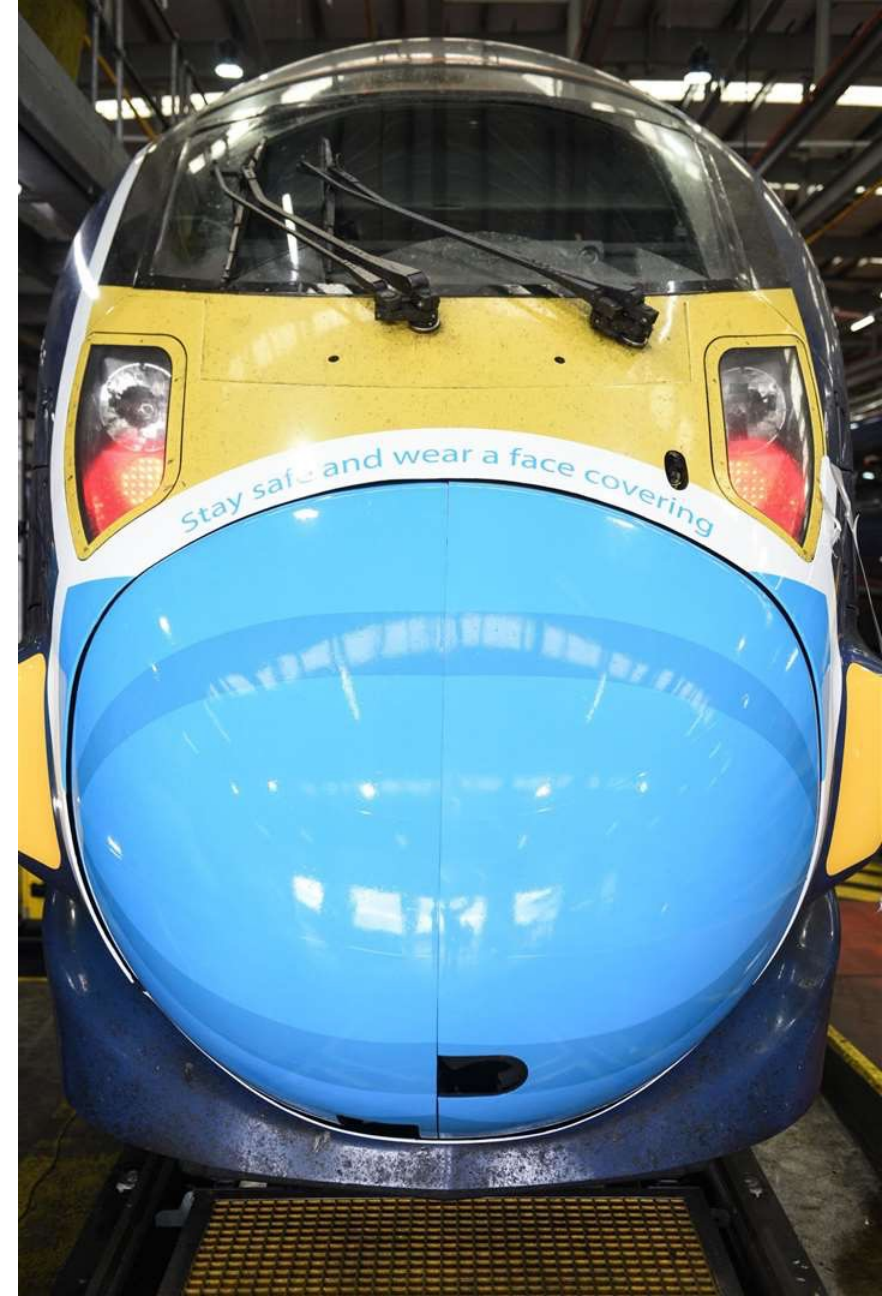




2020+ DfT subsidising ROSCOs

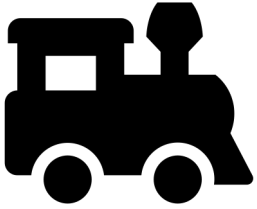
Trains out to help out?

<https://www.kentonline.co.uk/ashford/news/trains-given-face-mask-makeover-230967/>



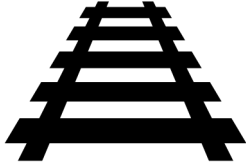


ROSCO



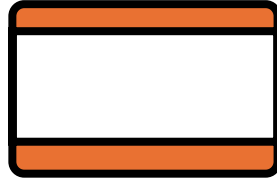
3 “main”
ROSCOs

Track
maintainer



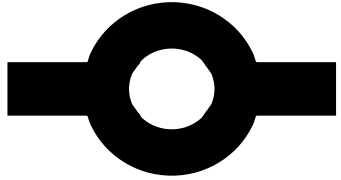
Mostly
Network
Rail

Ticketing
rules



Mainly Rail
Delivery
Group

Run
stations



Owned by
Network
Rail



DfT

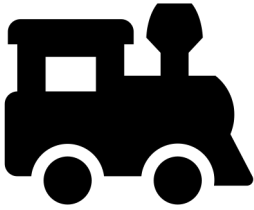


TOC

From this...



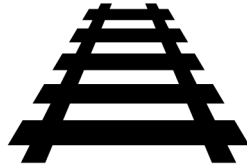
ROSCO



3 "main"
ROSCOs

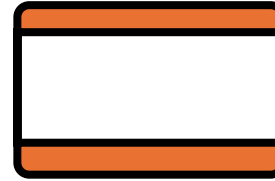
ROSCO
subsidy

Track
maintainer



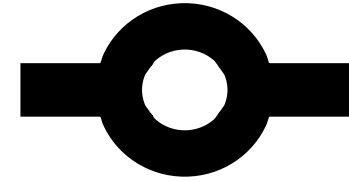
Mostly
Network
Rail

Ticketing
rules



Mainly Rail
Delivery
Group

Run
stations



Owned by
Network
Rail



DfT



7
TOCs

10
TOCs

To this...



64% route km nationalised

39% TOC staff nationalised

7 out of 17 current TOCs



There's more





Unsmug those Londoners

London style transport powers...
but for more people

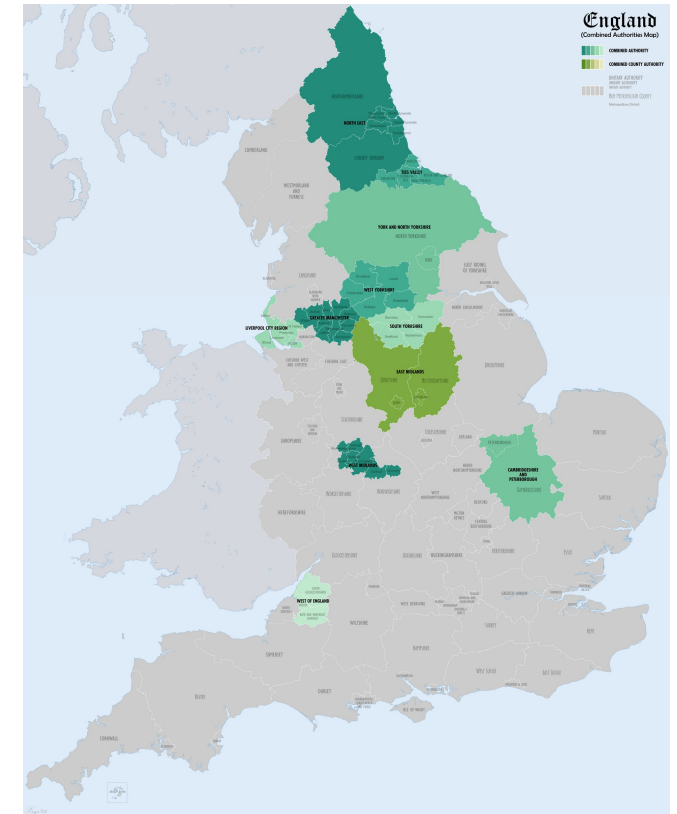
1999: Scotland & Wales

2015: Manchester

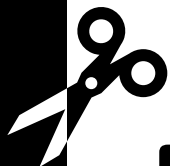
2017: Liverpool City Region

2017: West Midlands

2024: NE Combined Authority &
more...



By XrysD - Own work, CC BY-SA 4.0,
<https://commons.wikimedia.org/w/index.php?curid=146207999>



Devolution Devolution Devolution...



Llywodraeth Cymru
Welsh Government

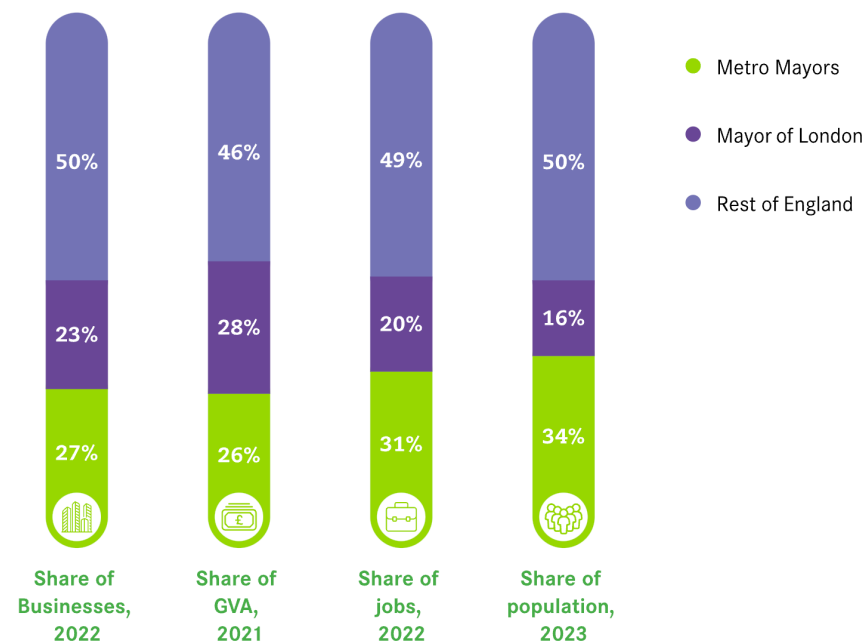


Scottish Government
Riaghaltas na h-Alba
gov.scot



50% Metro Mayors

Figure 2: Half of England now has a directly-elected mayor



Source: ONS 2023, Business Demography; BRES, Population Estimates; ONS 2024, UK small area gross value added (GVA) estimates

<https://www.centreforcities.org/publication/everything-you-need-know-metro-mayors/#whatpercentage>



https://www.scotrail.co.uk

Accessibility Tools

ScotRail
SCOTLAND'S RAILWAY

Tickets ▾ Digital Train Tickets ▾ Your Journey ▾ Inspiration Hub ▾ About Us ▾ 🔍

Buy Tickets Check Service Next Train Login / Register Contact us

3 of 36 routes affected +

No booking fees!

Single Return Flexipass Season

From Enter origin station

To Enter destination station

Via/Avoid ▾

Outbound

27/05/2024 Departing after 15:30

Go by train for less

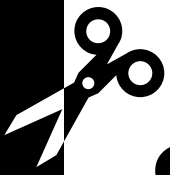
With Off-Peak fares all day, every day, until 27 September 2024.

Our timetable is changing

New timetable from Sunday, 2 June 2024.

ScotRail peak fare removal until 27 Sep

Hack: No more peak fares for journeys within Scotland until 27 Sep 2024



Some links to take a photo of

Check you have a Mayor or live in a Combined Authority with devolved transport funding

<https://geoportal.statistics.gov.uk/documents/a17870987716492c8f305825f05d104f/explore>

<https://www.centreforcities.org/publication/everything-need-know-metro-mayors>

https://en.wikipedia.org/wiki/Levelling-up_and_Regeneration_Act_2023

https://en.wikipedia.org/wiki/Combined_authorities_and_combined_county_authorities

A large black icon of a pair of scissors, positioned diagonally across the center of the image, appearing to cut through the text.

Split *Ticketing*



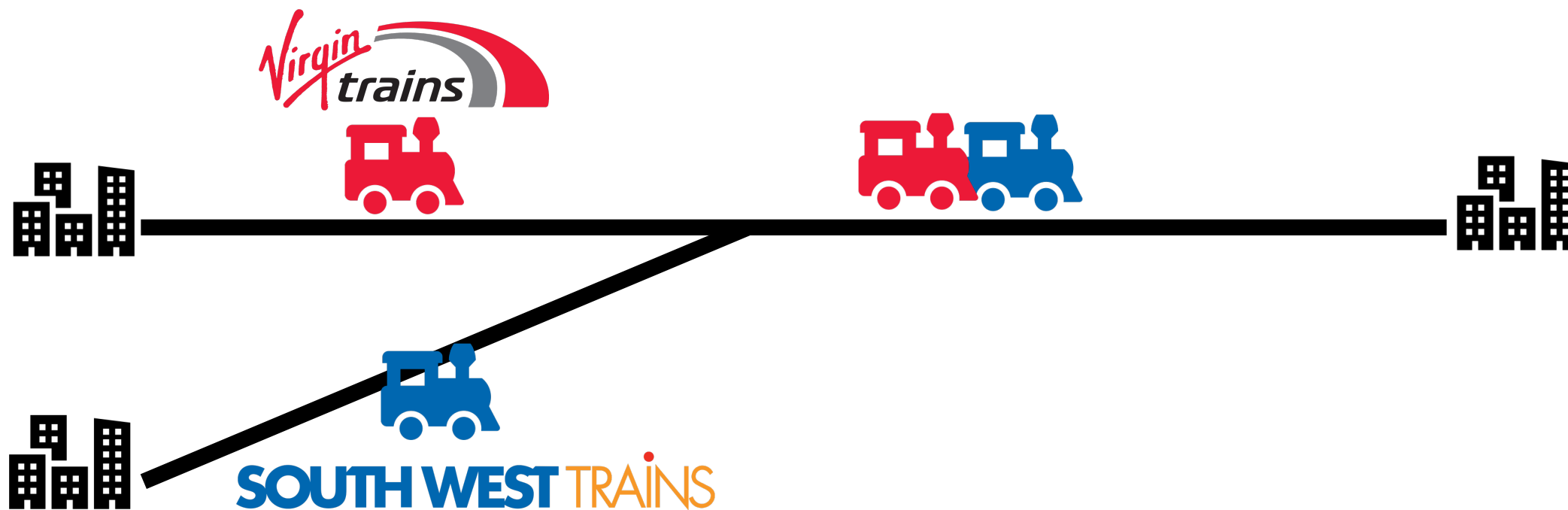
A primer

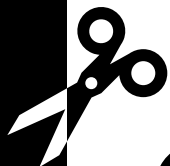
Split Ticketing is where you buy multiple tickets instead of one to save money

A compliant ticket or tickets for your journey that cost less than the expected mainstream fare

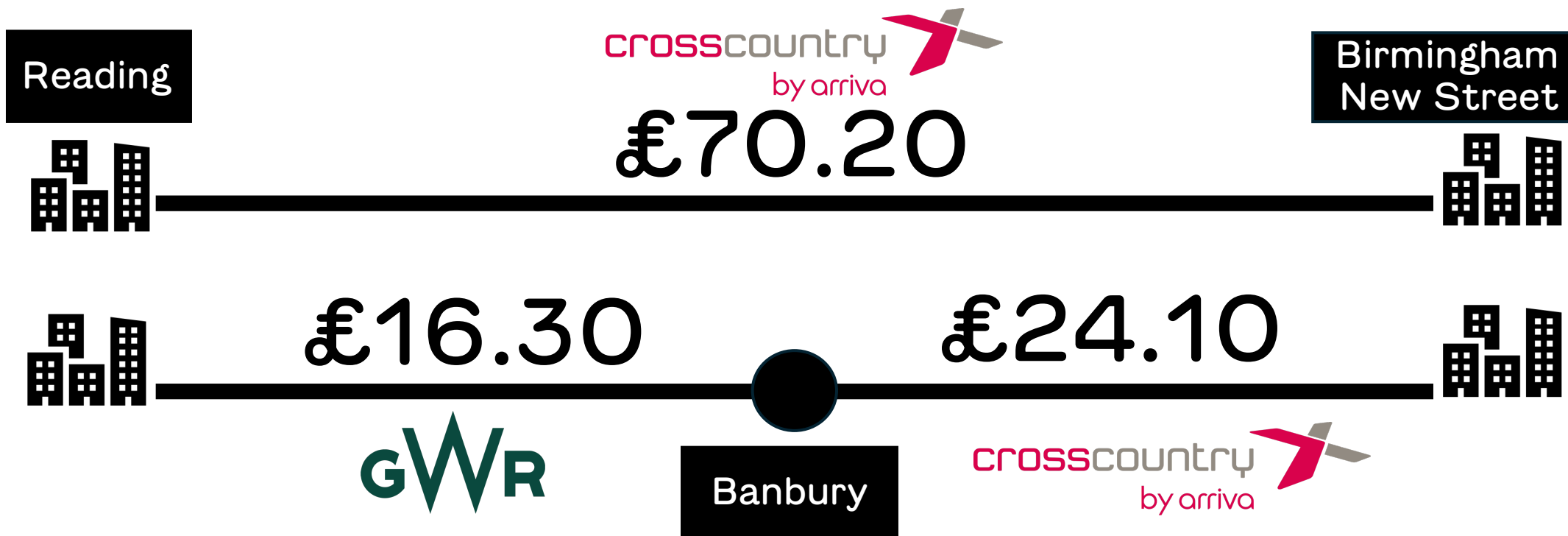


A primer





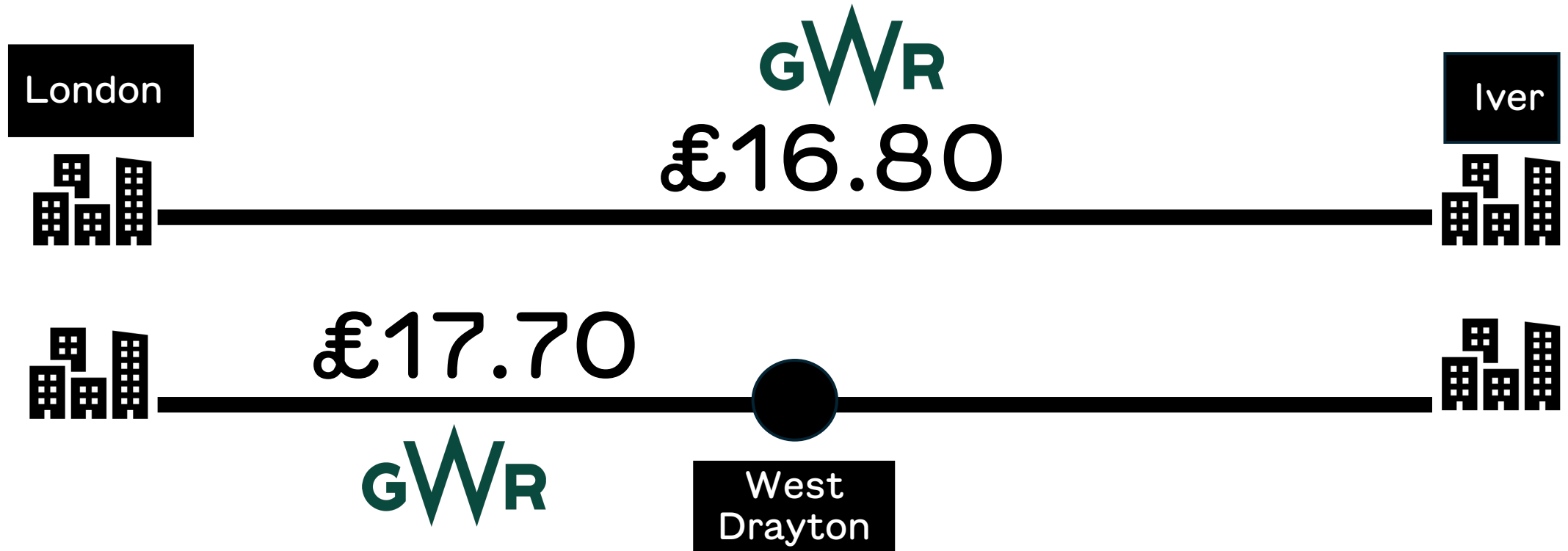
Case 1: Classic split ticketing



Saves £29.80

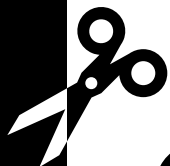


Case 2: Stopping / Starting Short

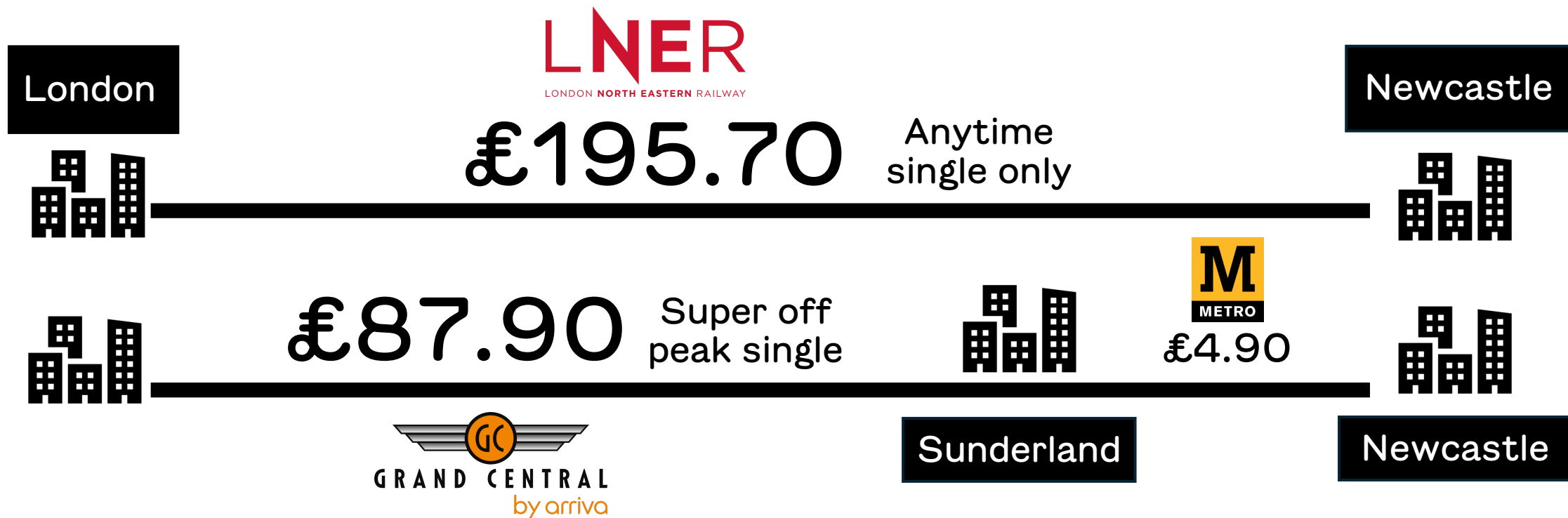


(fixed when contactless payments got added)

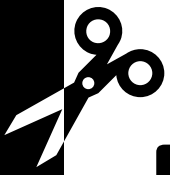
Saves £0.90



Case 3: Off peak definition hacking



Saves £102.90!!



Resources

www.brfares.com

www.fastjp.com

www.railforums.co.uk

Routeing calculator: https://data.atoc.org/rp_calc

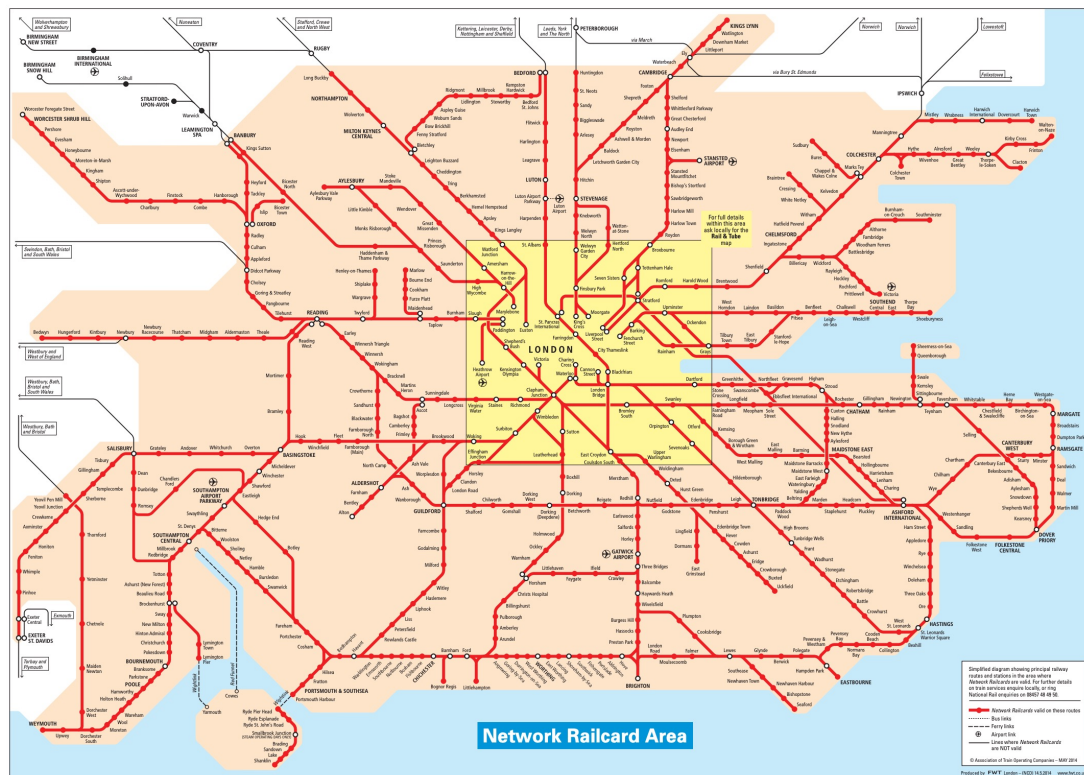
Mainstream split ticketing options:

<https://www.moneysavingexpert.com/travel/cheap-train-tickets/>



Network SouthEast

<https://www.nsers.org/>



<https://www.railcard.co.uk/clientfiles/files/map.pdf>

If your journey starts from one of these stations

And you need to go via London to get to a station outside this area

Off peak only counts from when you leave London not when you start the journey

Check your off peak code using this url to see if this applies:

<https://www.nationalrail.co.uk/ticket-types/validity/XX/>
(where XX is the code)

(Except if you end up on a CrossCountry train – sorry!
That one might have been partially my fault)

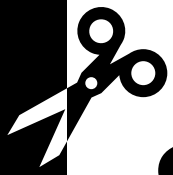
Hack: Go via London to start an off peak journey before 9am



The F  uture?

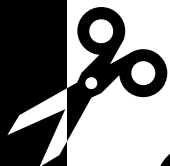


The Future?



So what does this mean?





Conservative plan



<https://assets.publishing.service.gov.uk/media/60cb29dde90e0743ae8c29c1/gbr-williams-shapps-plan-for-rail.pdf>

Form "Great
British
Railways"

Remove
Network
Rail

Contract
train
services out

Keep
ROSCOs



Labour's announcement



Labour's vision is to deliver a unified and simplified rail system that relentlessly focuses on securing improved services for passengers and better value for money for taxpayers.

6. Safe – so that people don't worry about their safety on the railway and are not in fear of accidents or crime while travelling.

As the TOC franchise contracts expire, transfer to government

Sadly, not a huge amount of detail – we will have to wait and see if they win the election



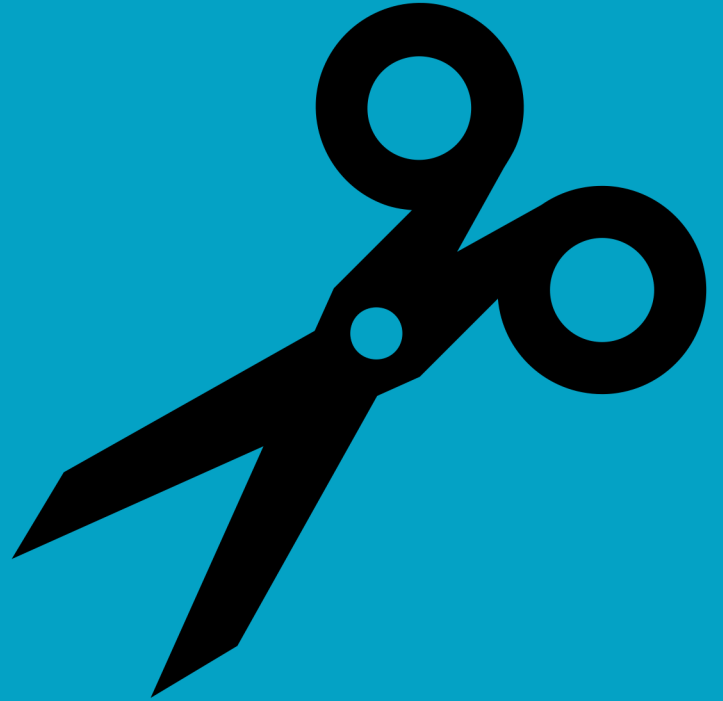
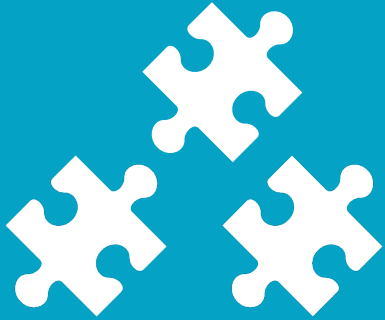
Local power vs national power



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<<https://creativecommons.org/licenses/by-sa/4.0>>, via Wikimedia Commons



https://www.jnpiling.co.uk/wp-content/uploads/2018/07/29495916_1706357659426166_7163991113127165952_n-768x768.jpg





1. Use Sailrail
2. Use Regional Railcards
3. Use Plusbus
4. Use ScotRail
5. Split Ticketing
 - Classic mode
 - Starting/Stopping Short
 - Off-peak definition hacking
6. SE England peak hack

