

Dissecting the Integrated Rail Plan

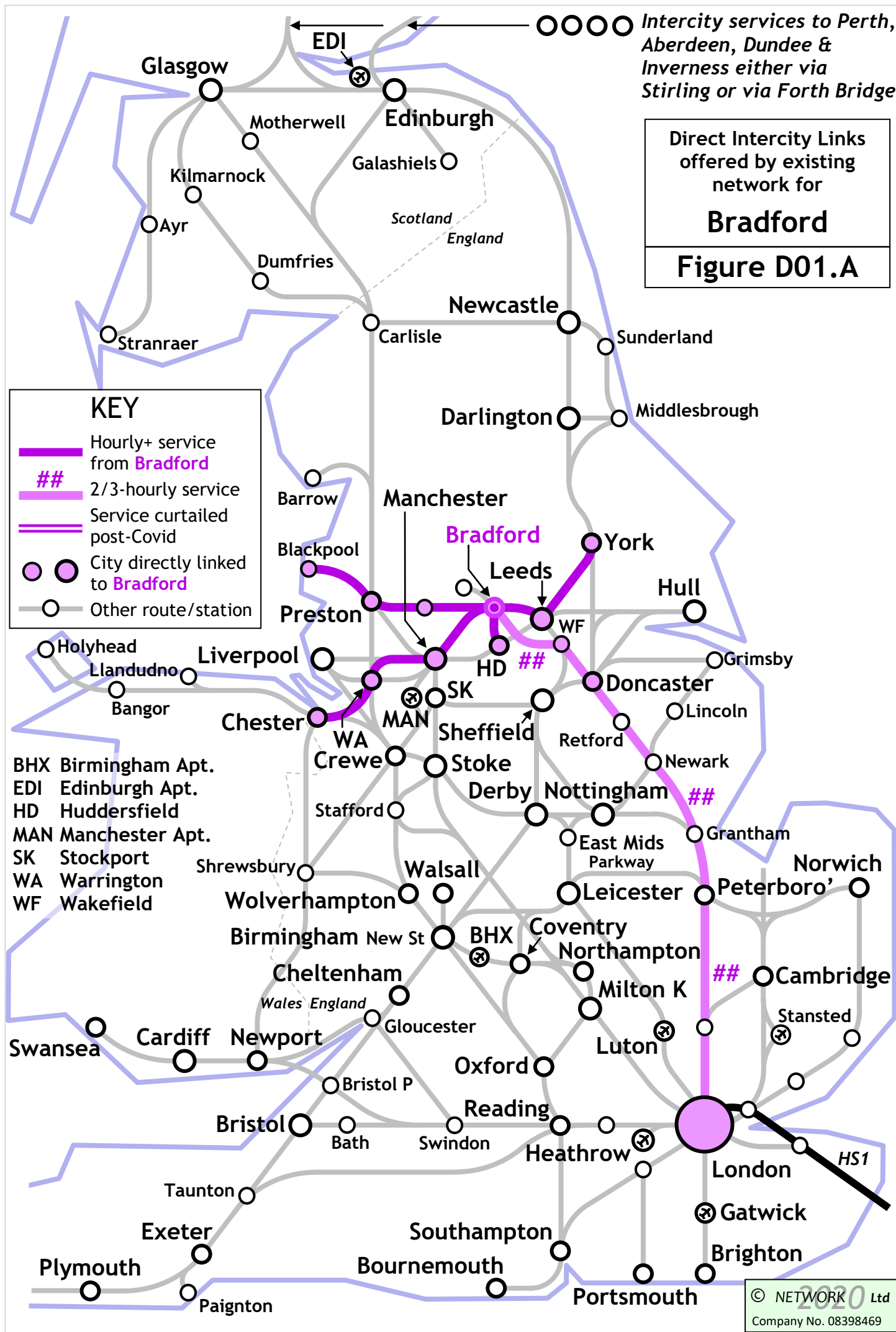
Appendix D

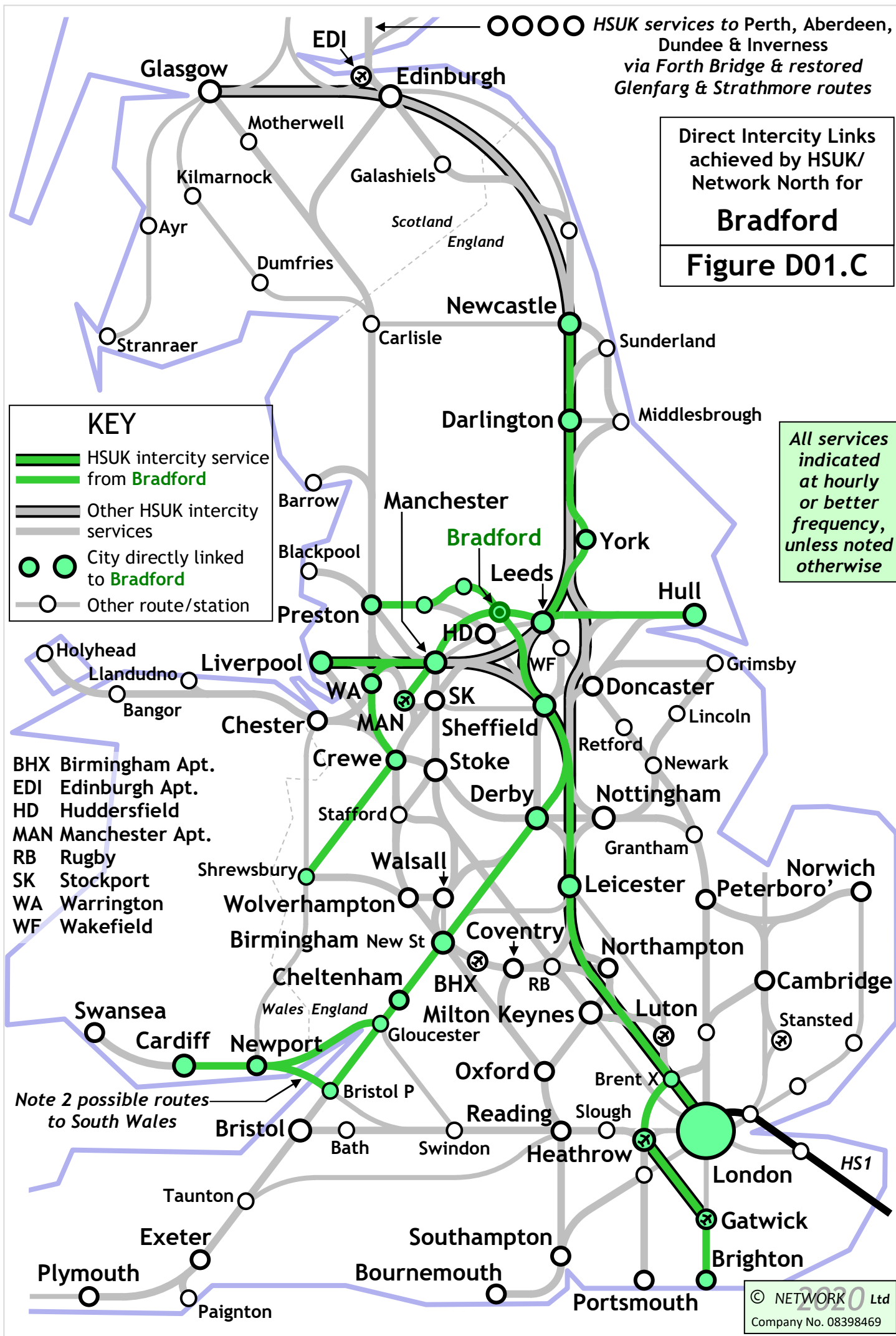
Northern Powerhouse Connectivity Comparisons

D01	Bradford	D10	Manchester
D02	Chester	D11	MAN Airport
D03	Crewe	D12	Newcastle
D04	Darlington	D13	Preston
D05	Doncaster	D14	Sheffield
D06	Huddersfield	D15	Stockport
D07	Hull	D16	Stoke
D08	Leeds	D17	Warrington
D09	Liverpool	D18	York

D01 : Bradford

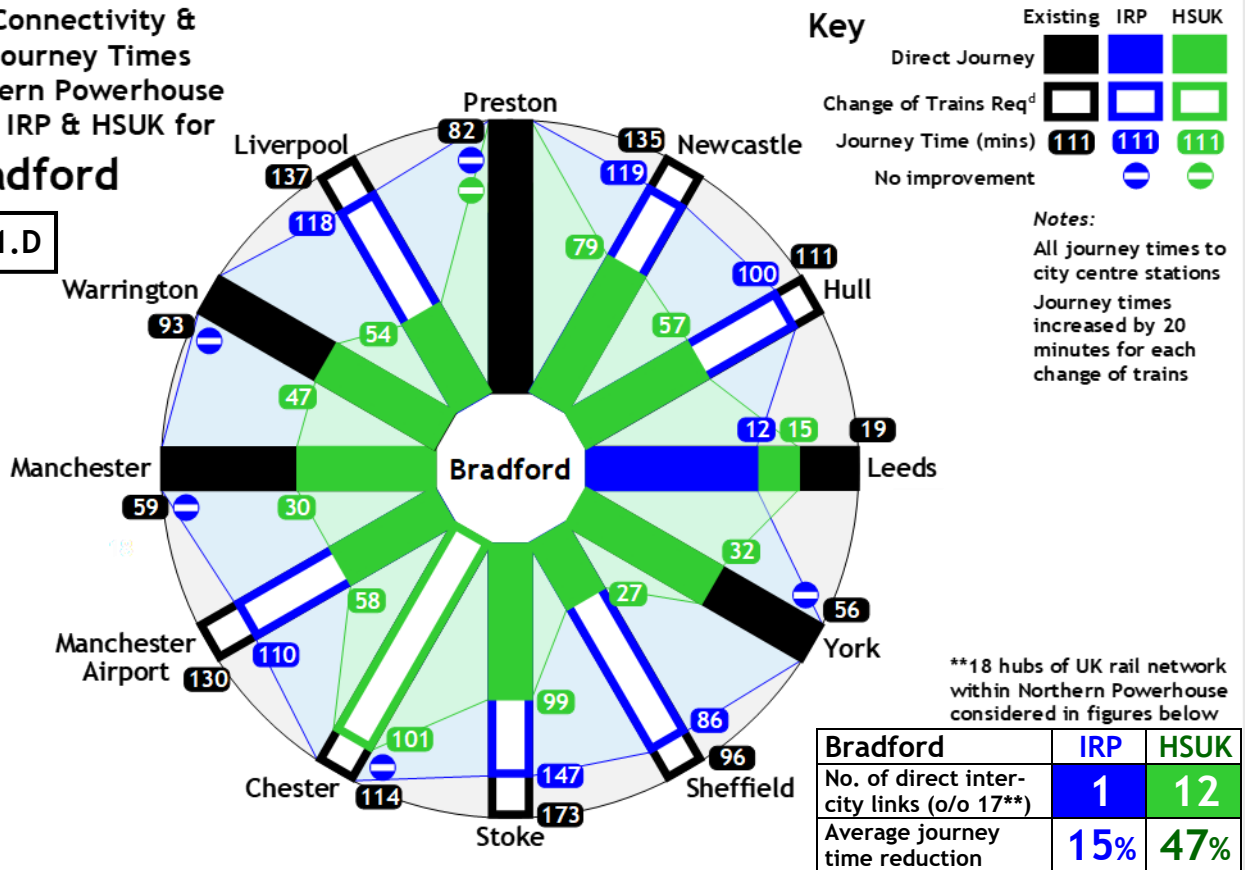
Figure	Title
D01.A	Direct Intercity Links offered by Existing Network for Bradford
D01.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Bradford
D01.C	Direct Intercity Links achieved by High Speed UK/ Network North for Bradford
D01.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Bradford
D01.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Bradford





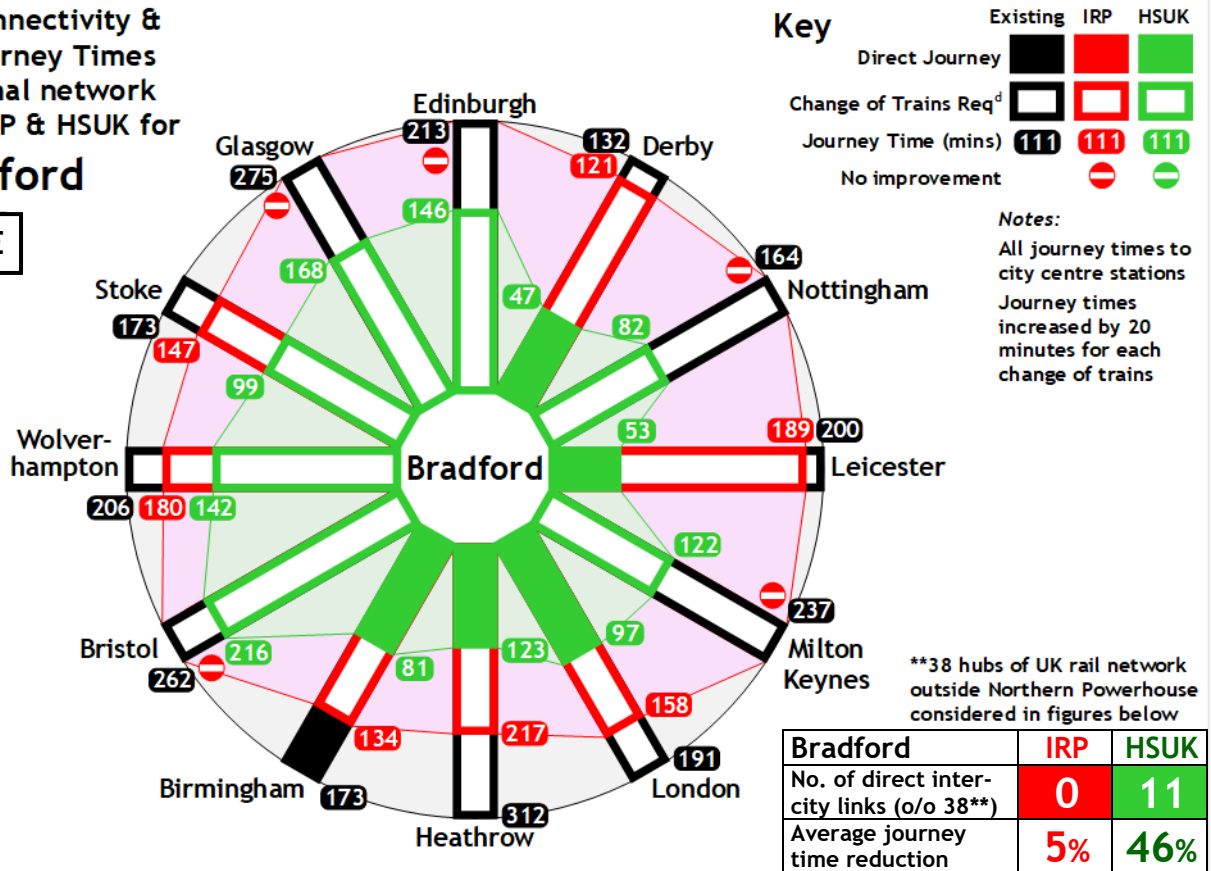
Improved Connectivity &
Reduced Journey Times
within Northern Powerhouse
achieved by IRP & HSUK for
Bradford

Figure D01.D



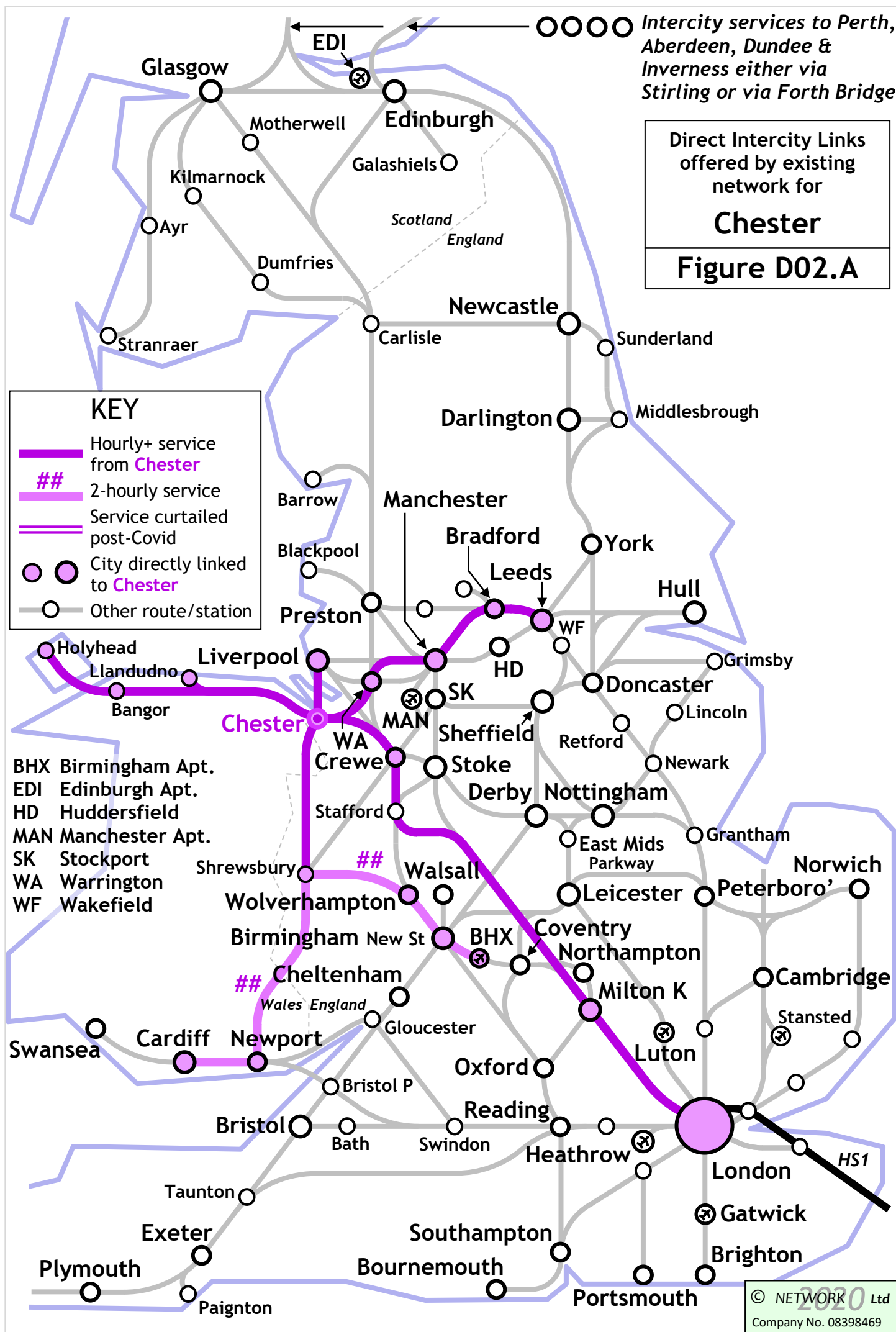
Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for
Bradford

Figure D01.E



D02 : Chester

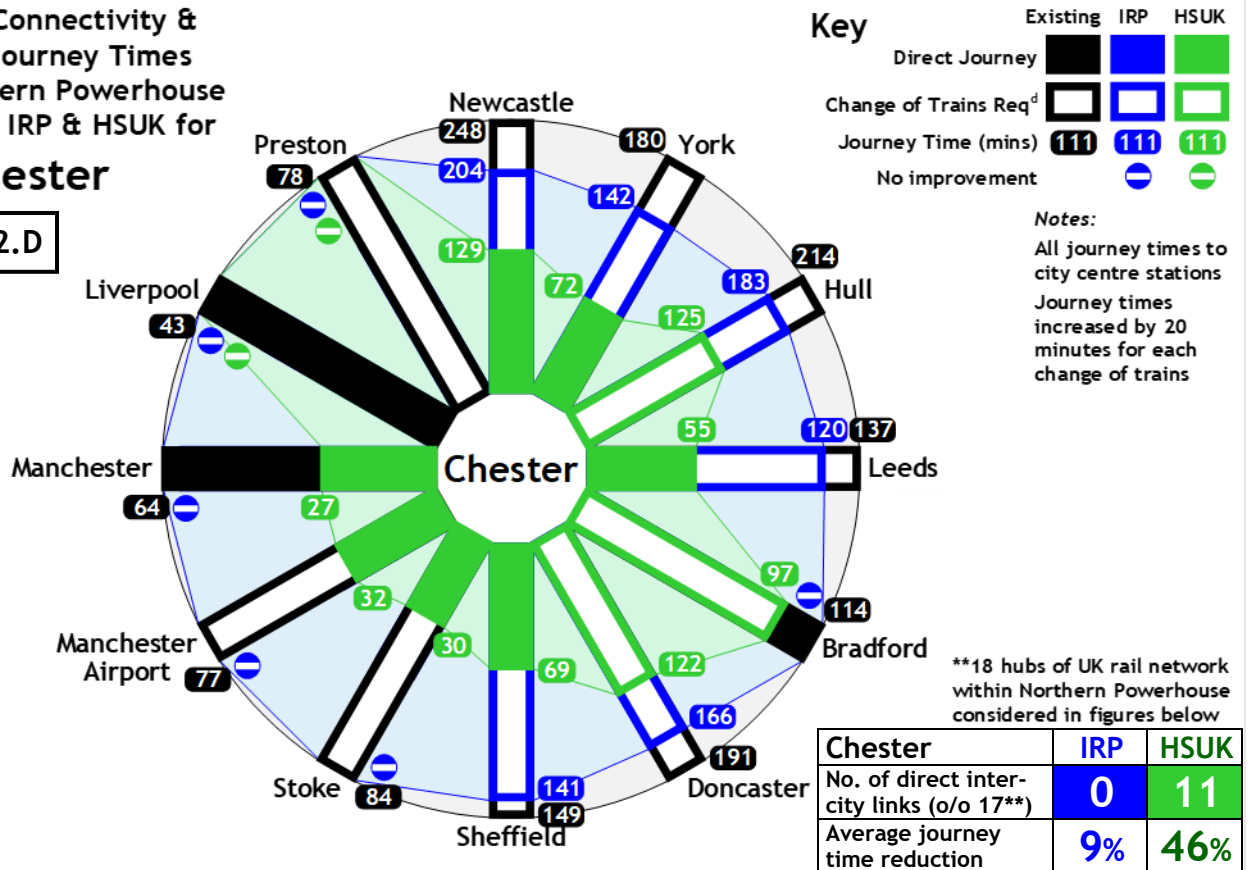
Figure	Title
D02.A	Direct Intercity Links offered by Existing Network for Chester
D02.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Chester
D02.C	Direct Intercity Links achieved by High Speed UK/ Network North for Chester
D02.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Chester
D02.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Chester





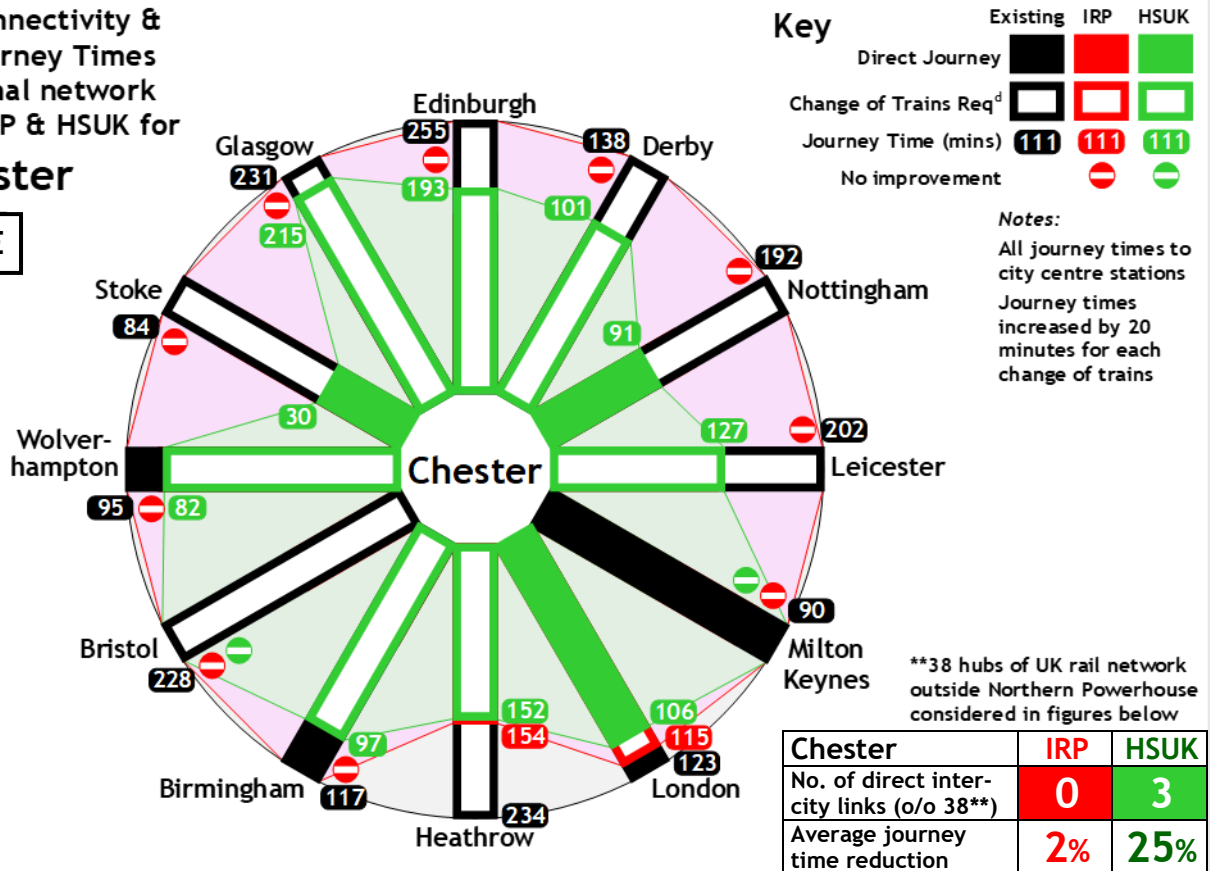
Improved Connectivity &
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within Northern Powerhouse
achieved by IRP & HSUK for
Chester

Figure D02.D



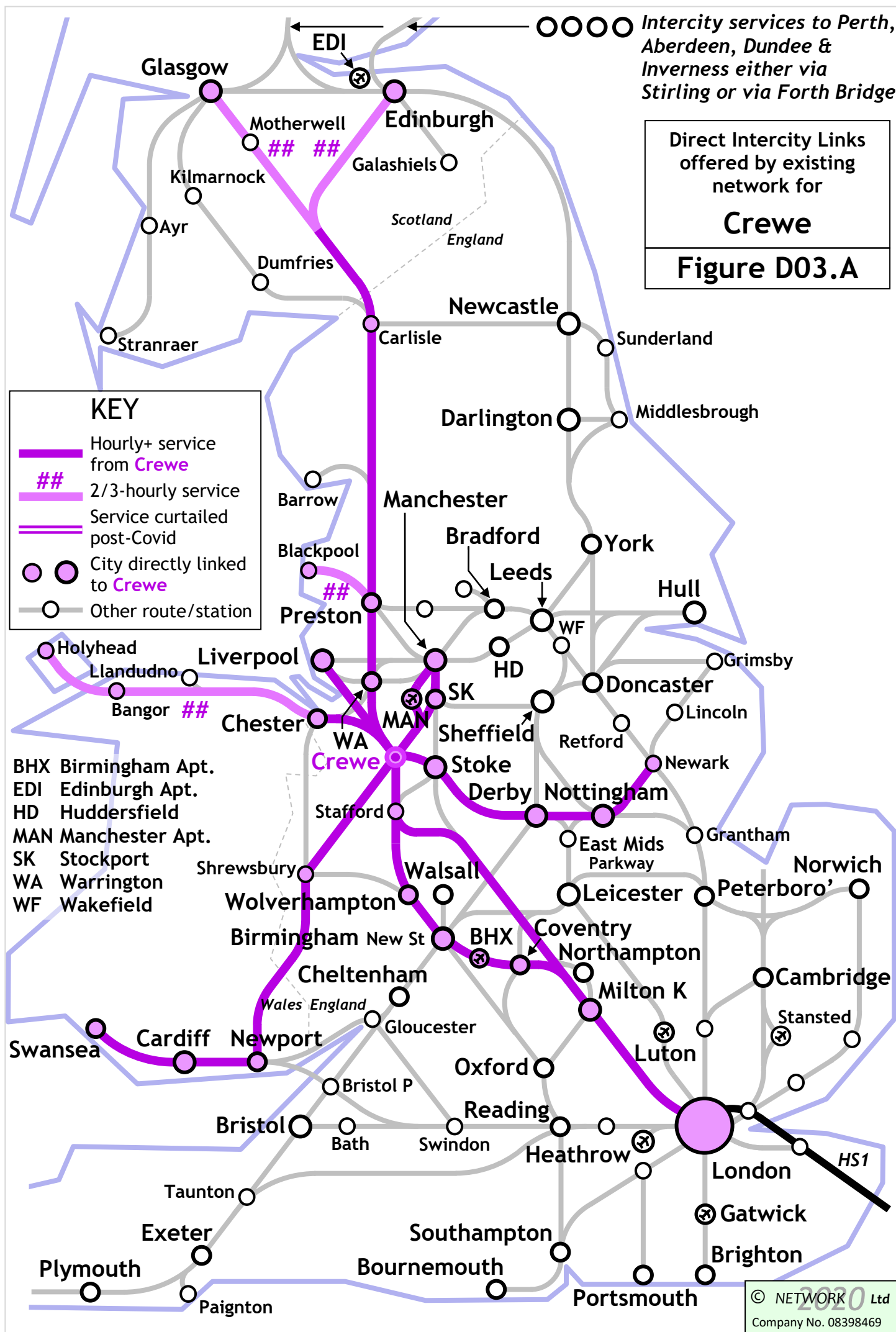
Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for
Chester

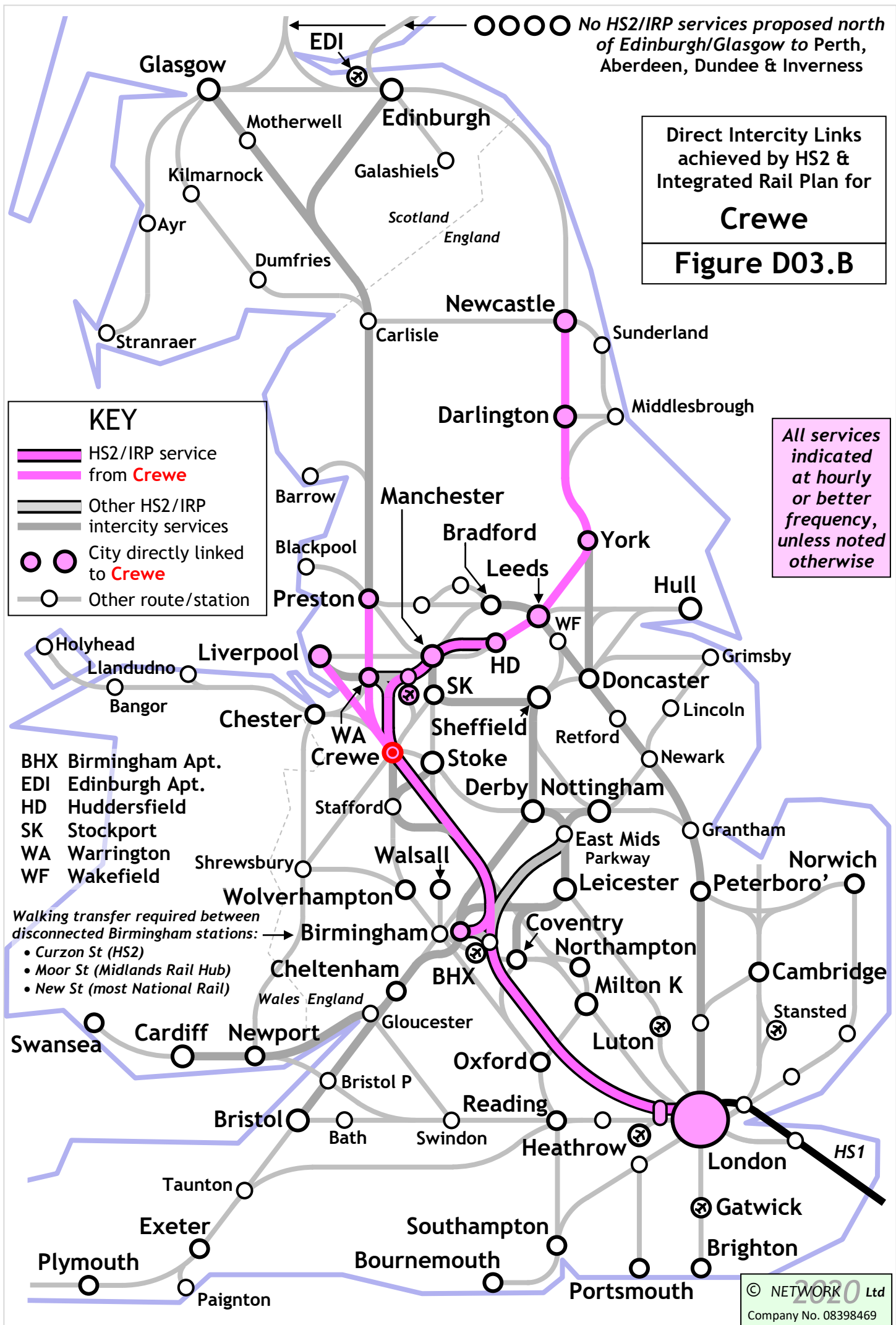
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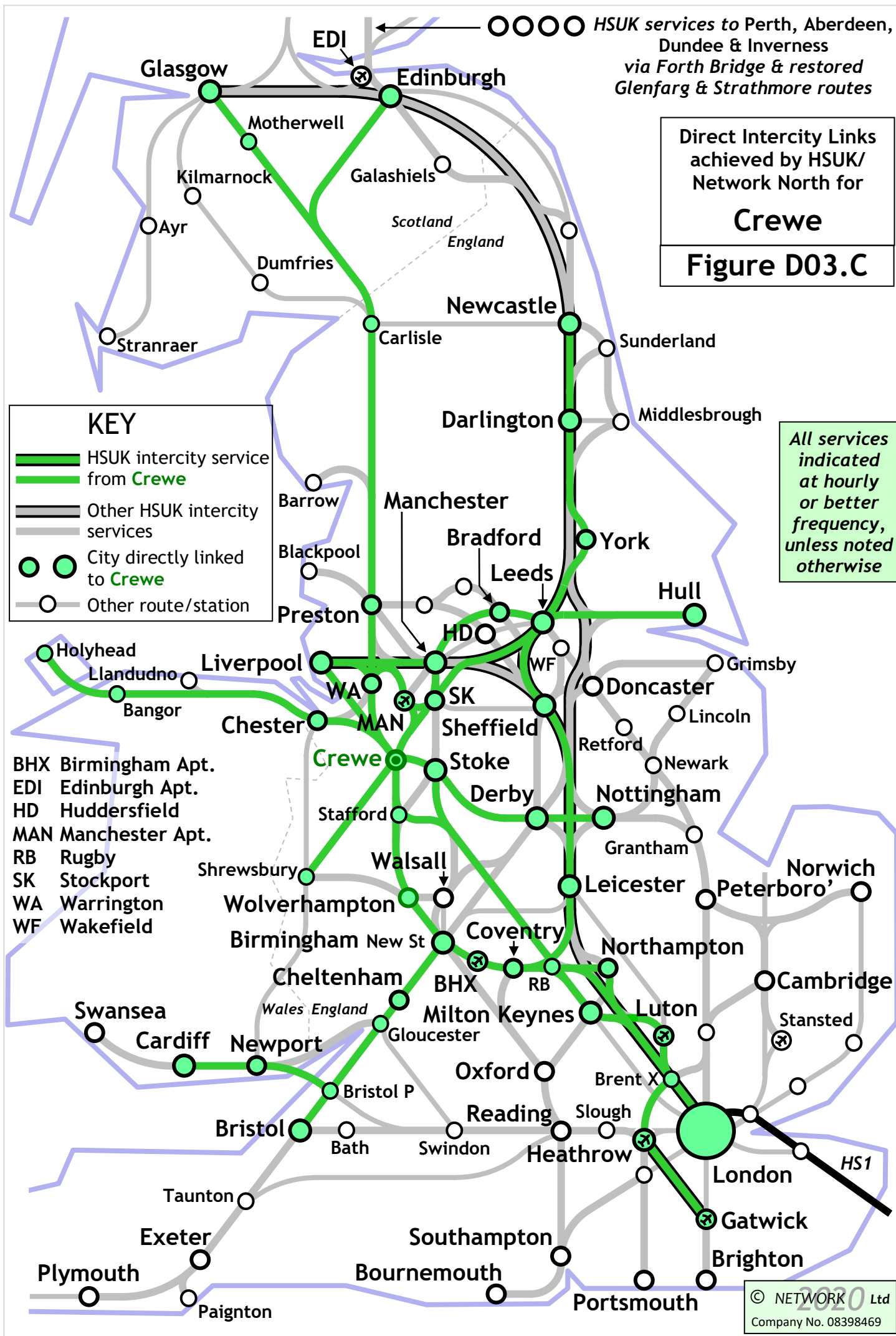


D03 : Crewe

Figure	Title
D03.A	Direct Intercity Links offered by Existing Network for Crewe
D03.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Crewe
D03.C	Direct Intercity Links achieved by High Speed UK/ Network North for Crewe
D03.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Crewe
D03.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Crewe



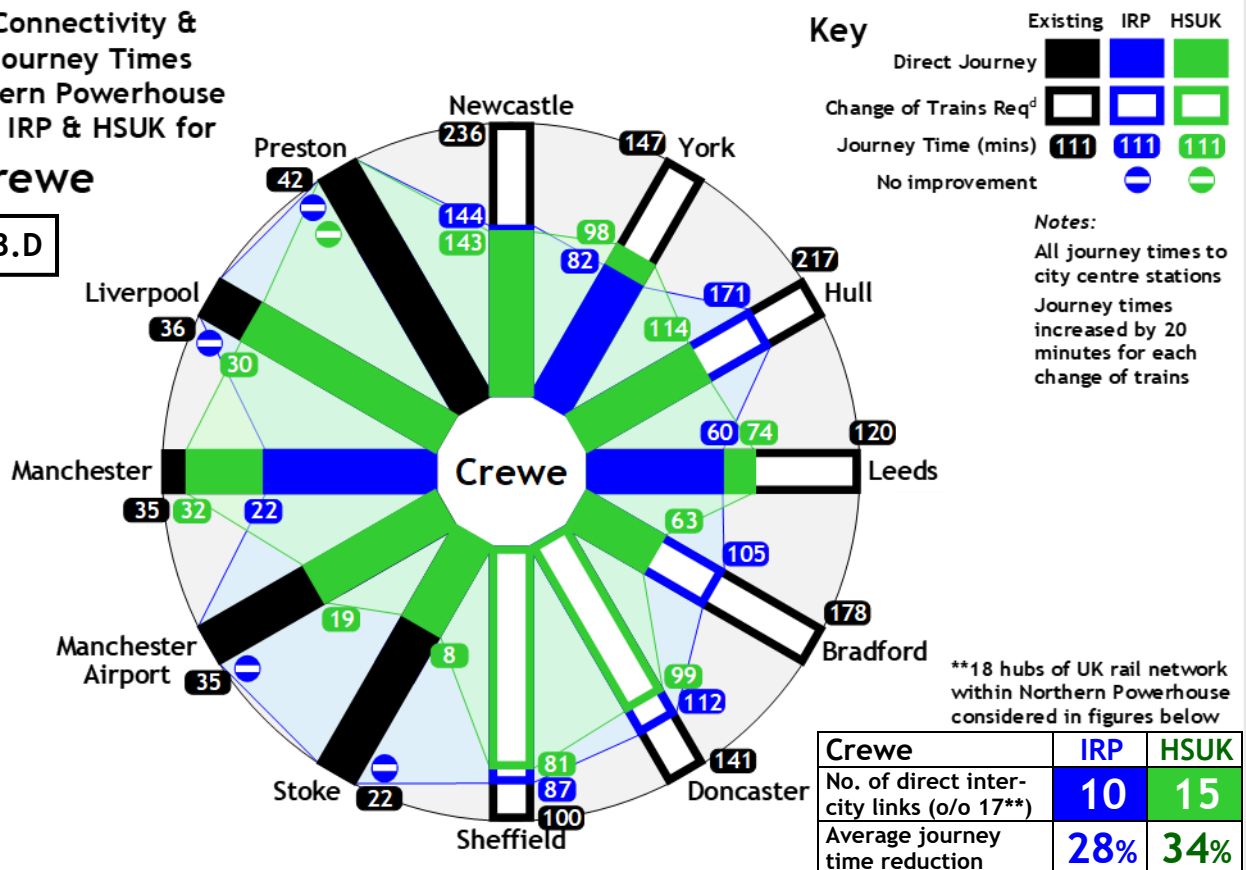




Improved Connectivity &
Reduced Journey Times
within Northern Powerhouse
achieved by IRP & HSUK for

Crewe

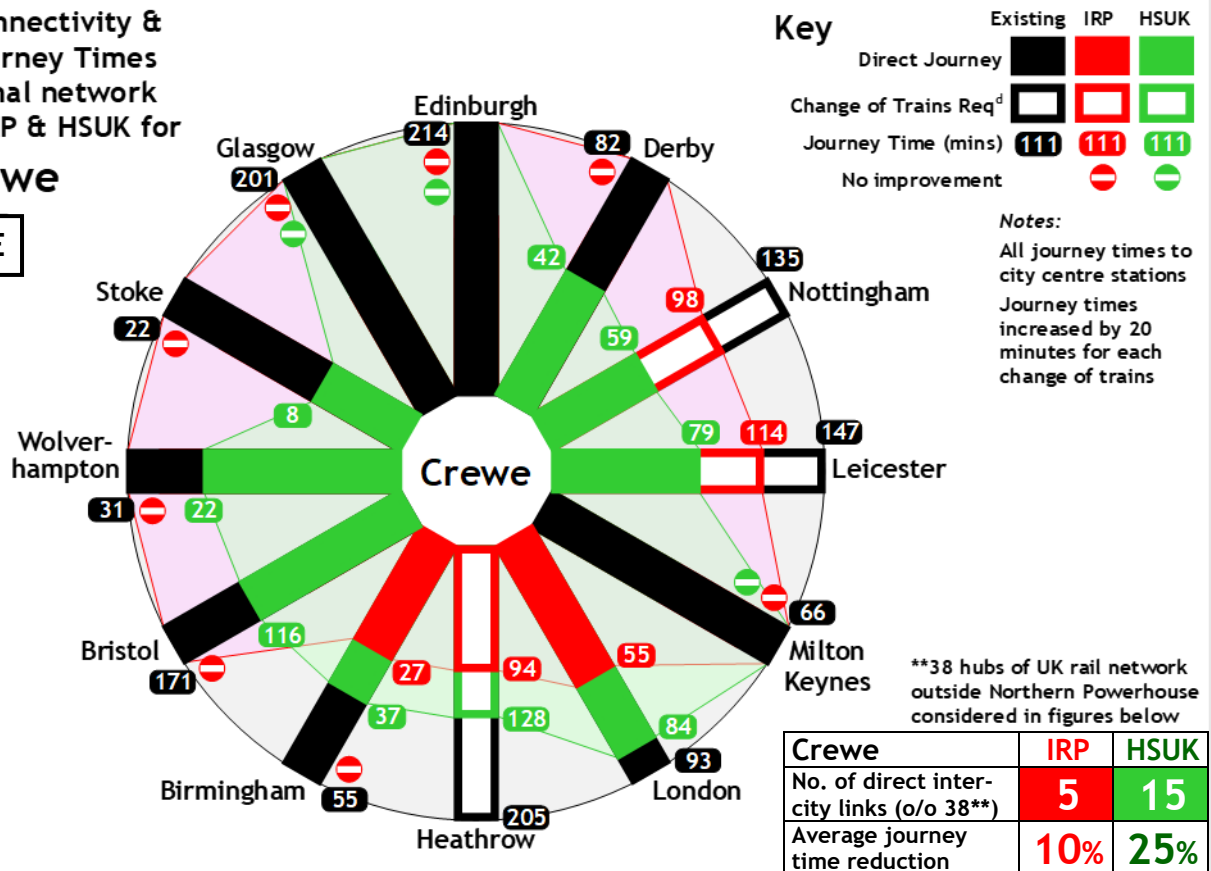
Figure D03.D



Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for

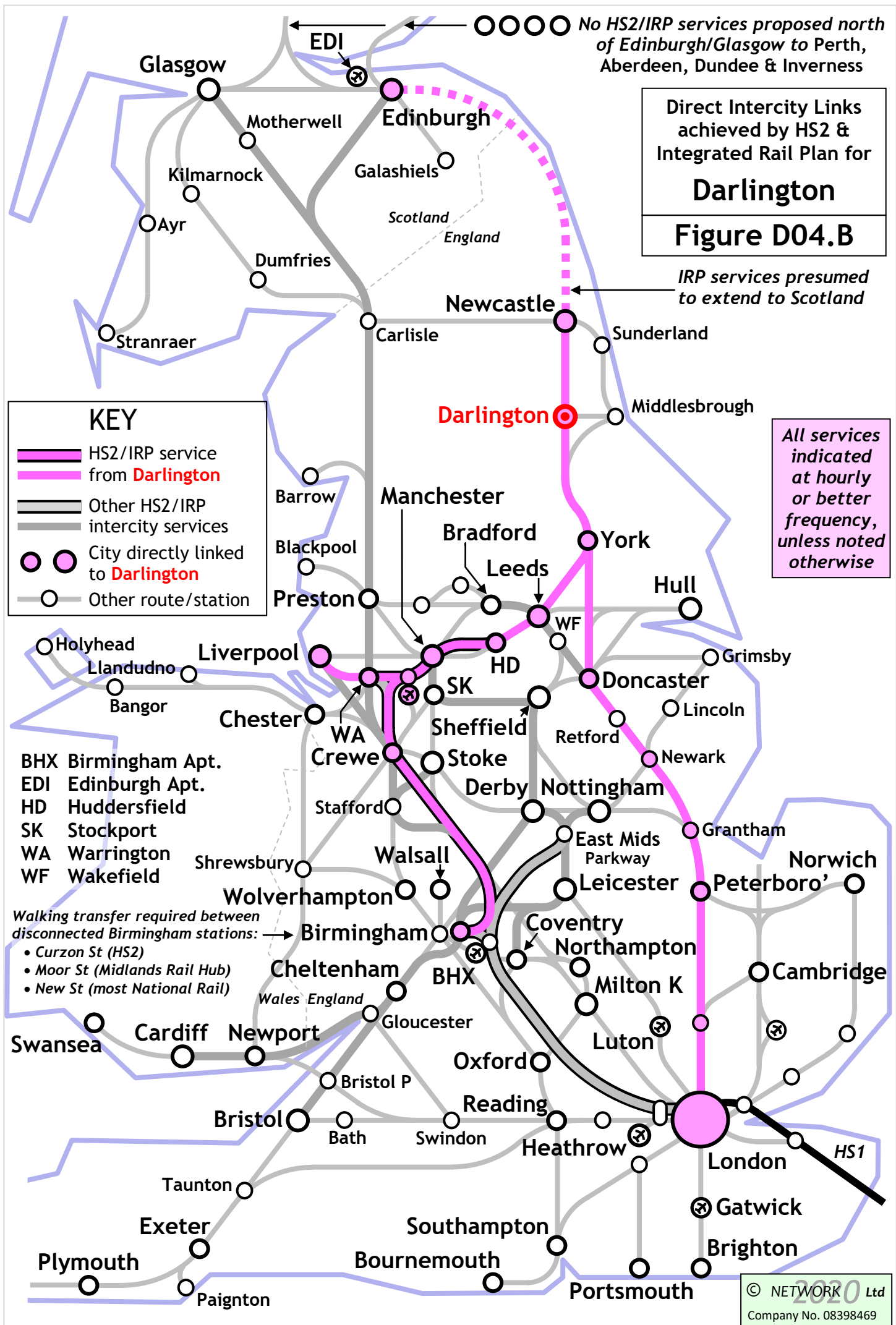
Crewe

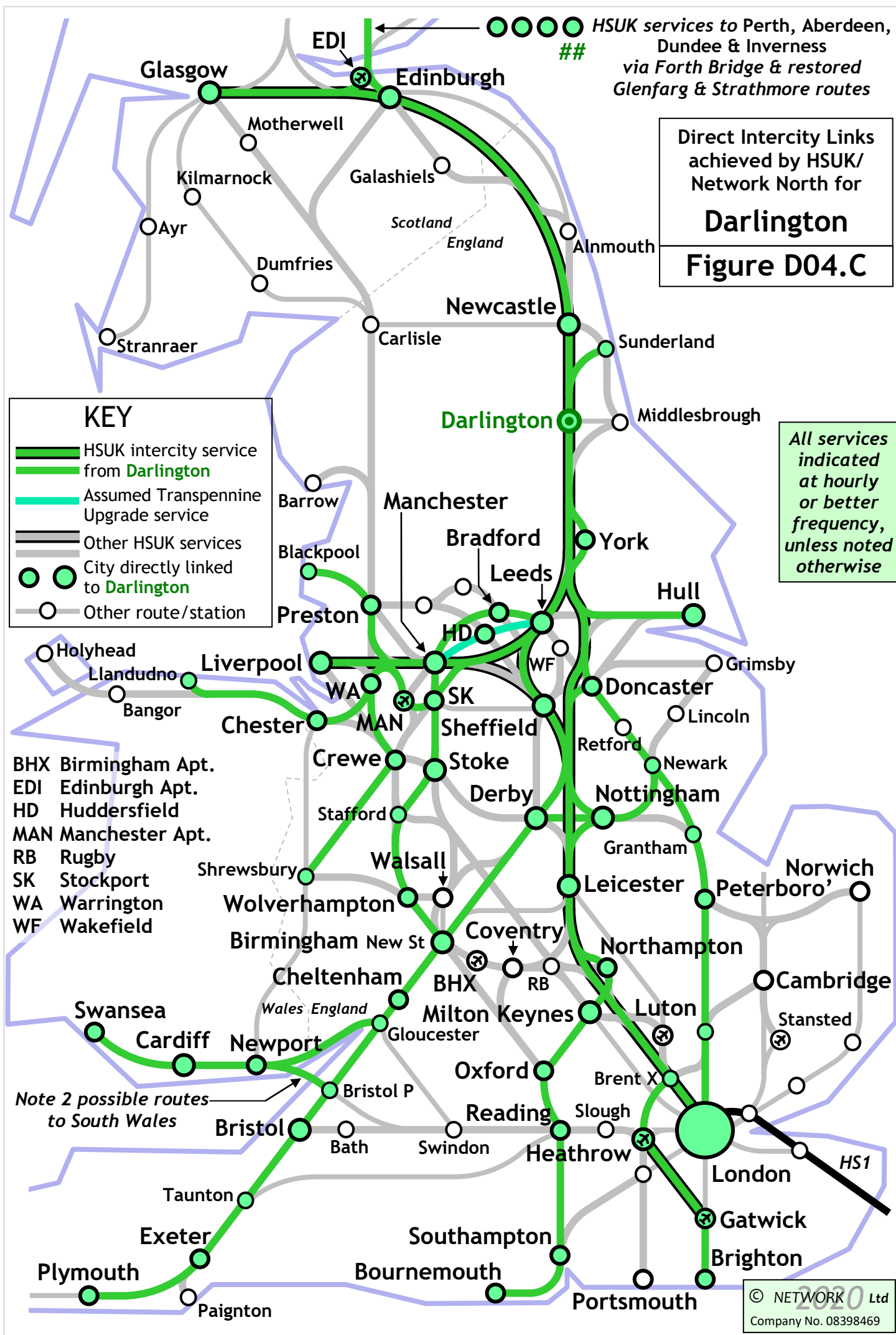
Figure D03.E



D04 : Darlington

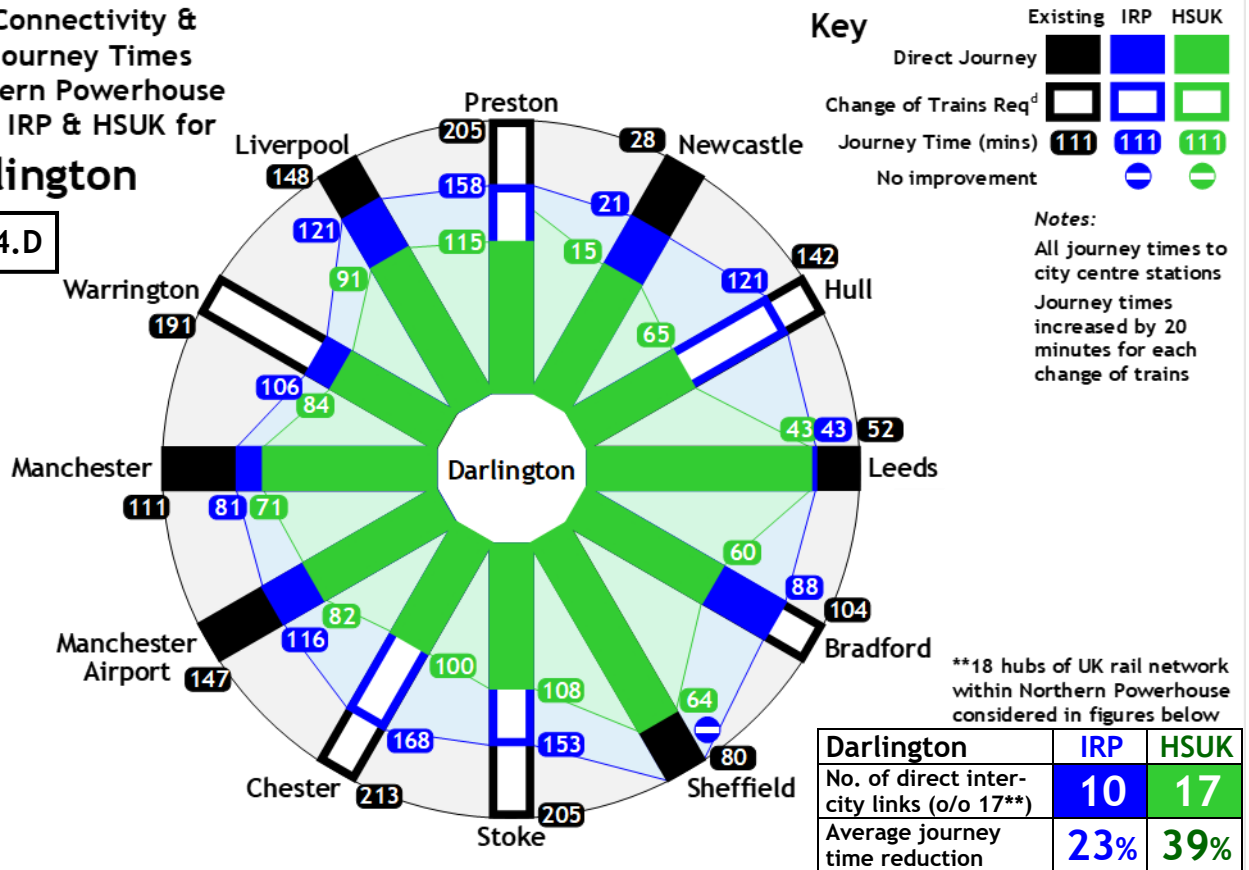
Figure	Title
D04.A	Direct Intercity Links offered by Existing Network for Darlington
D04.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Darlington
D04.C	Direct Intercity Links achieved by High Speed UK/ Network North for Darlington
D04.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Darlington
D04.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Darlington





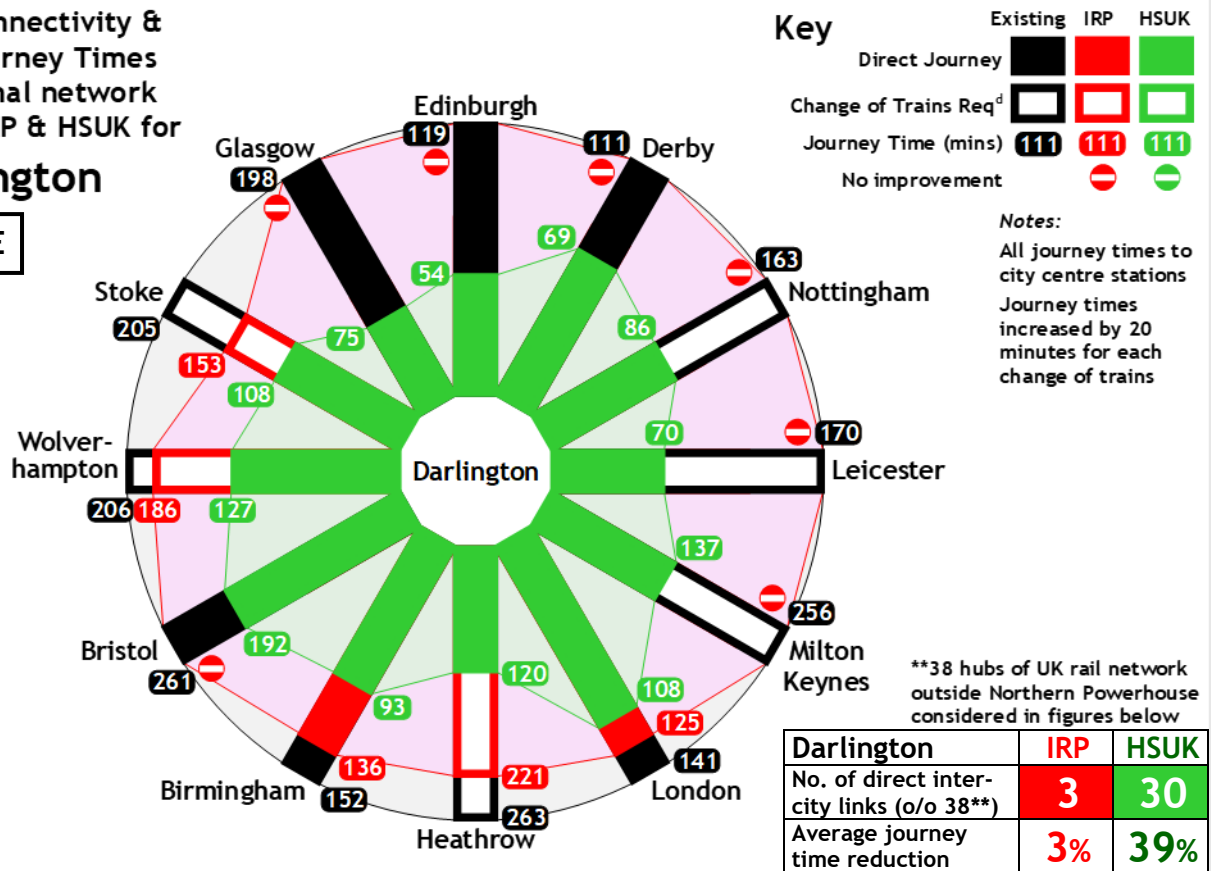
Improved Connectivity &
Reduced Journey Times
within Northern Powerhouse
achieved by IRP & HSUK for
Darlington

Figure D04.D



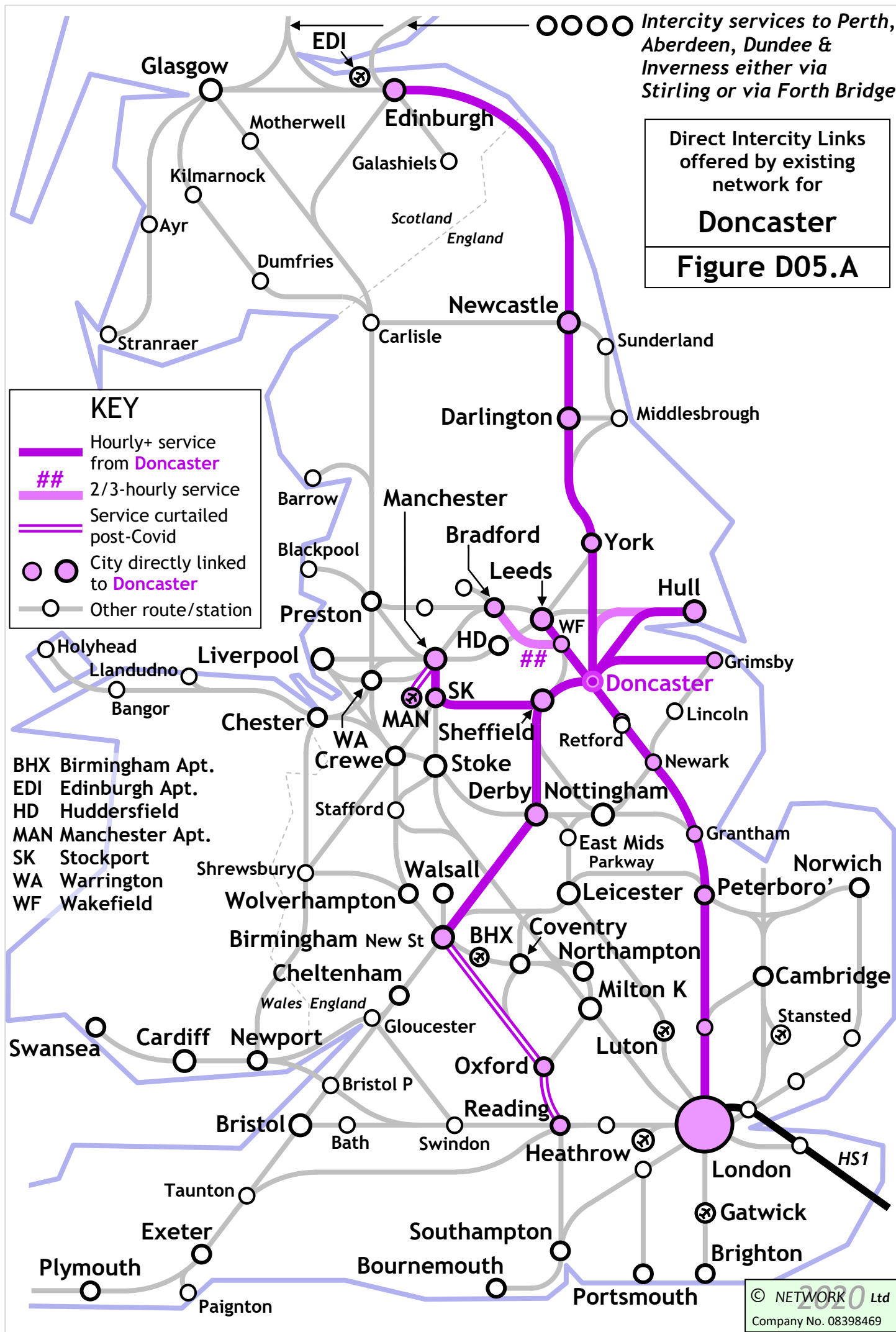
Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for
Darlington

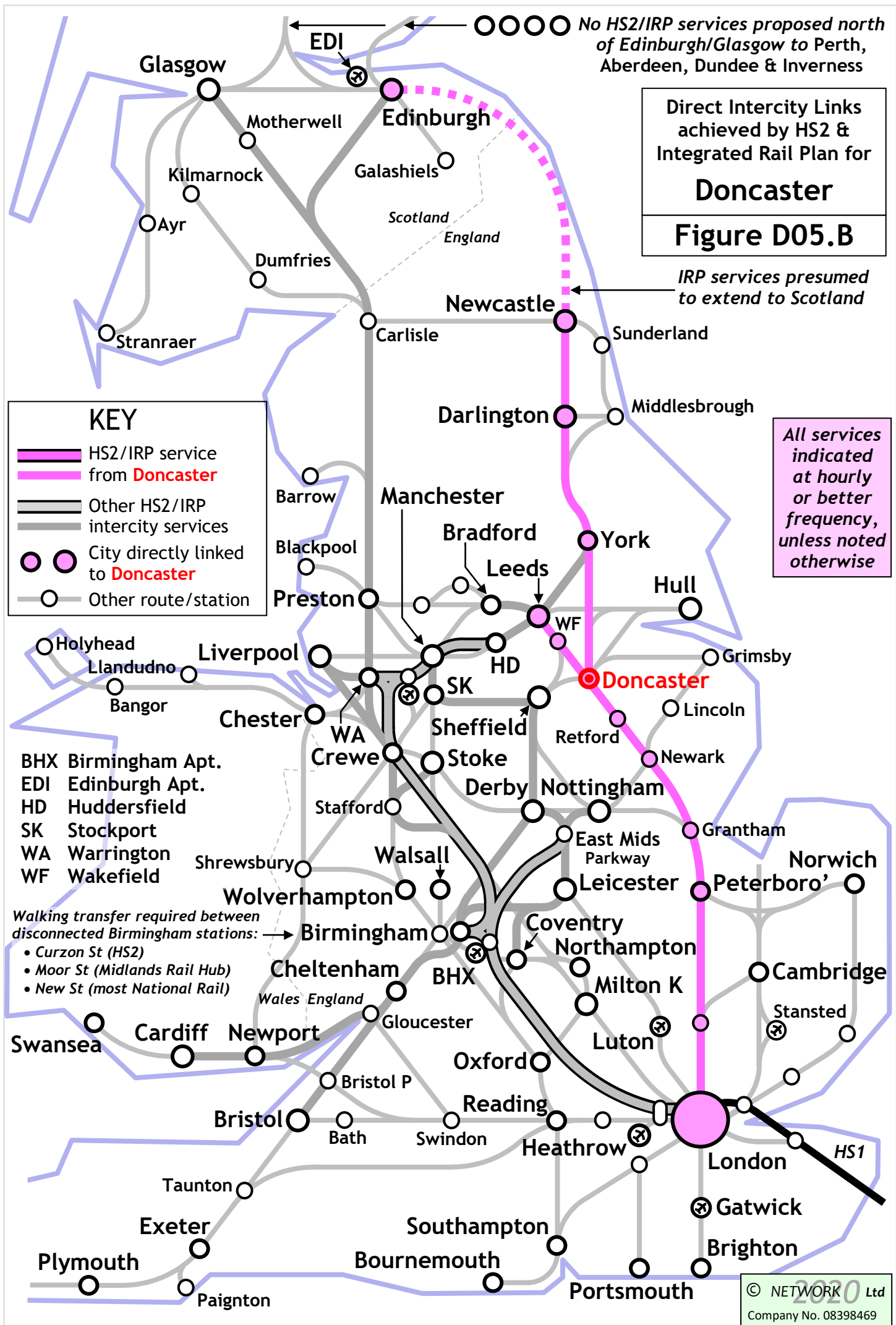
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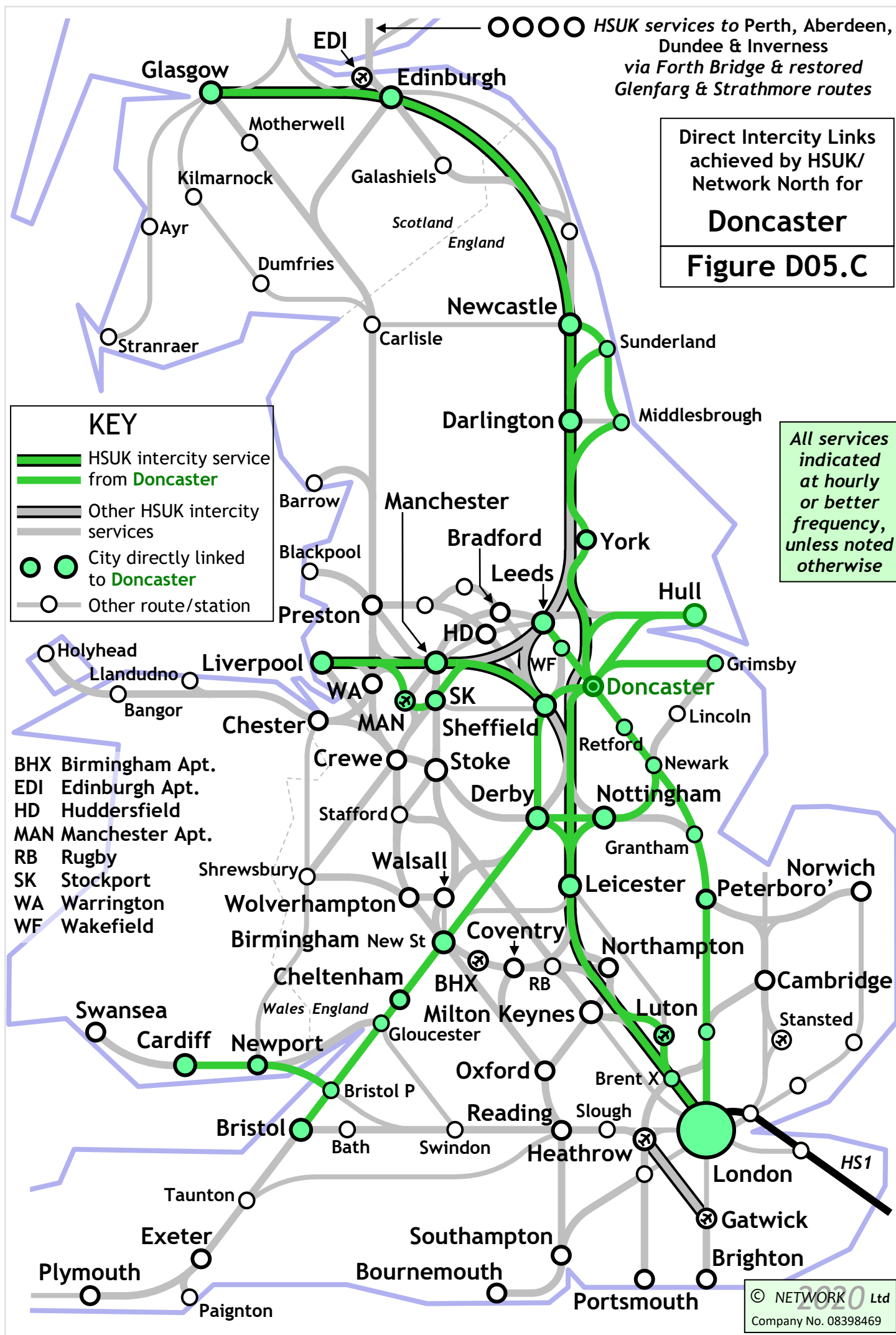


D05 : Doncaster

Figure	Title
D05.A	Direct Intercity Links offered by Existing Network for Doncaster
D05.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Doncaster
D05.C	Direct Intercity Links achieved by High Speed UK/ Network North for Doncaster
D05.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Doncaster
D05.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Doncaster



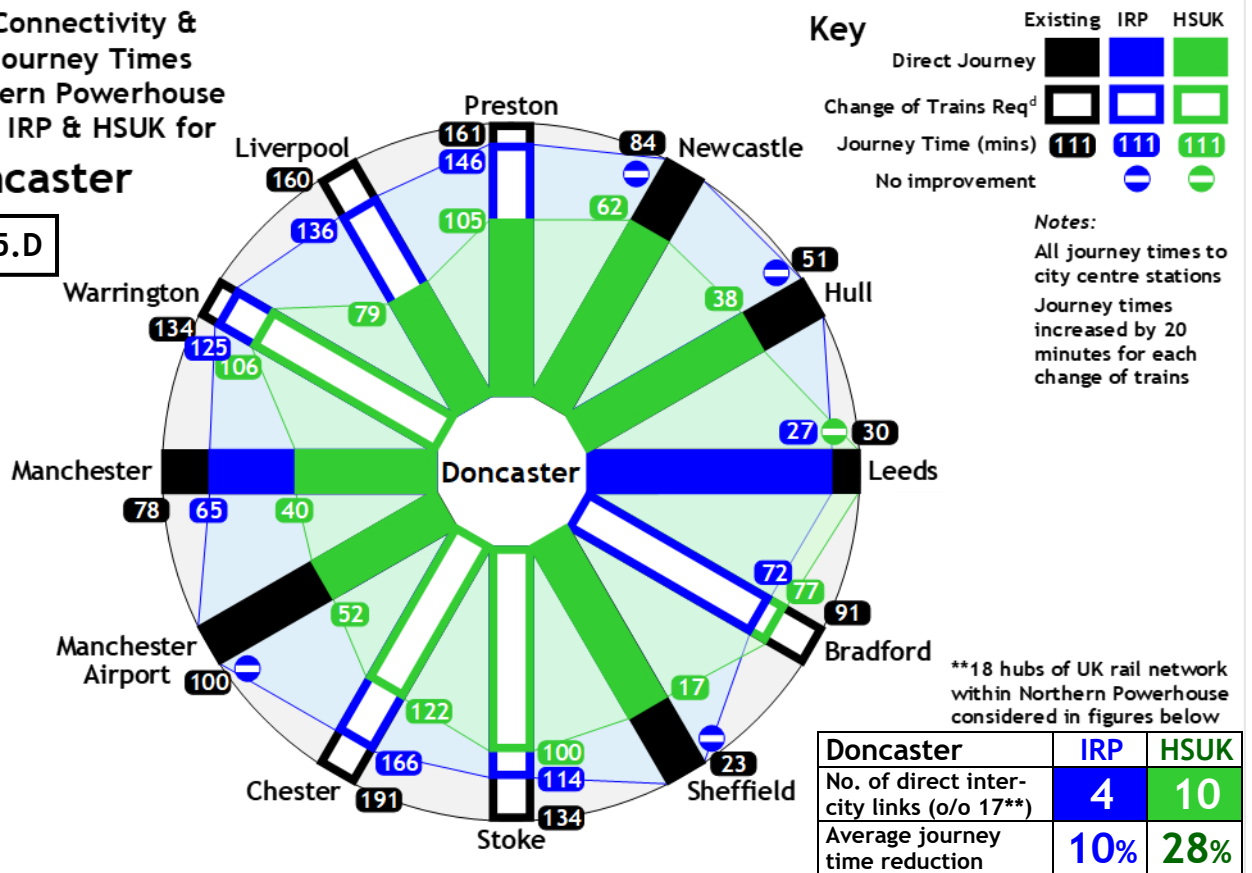




Improved Connectivity &
Reduced Journey Times
within Northern Powerhouse
achieved by IRP & HSUK for

Doncaster

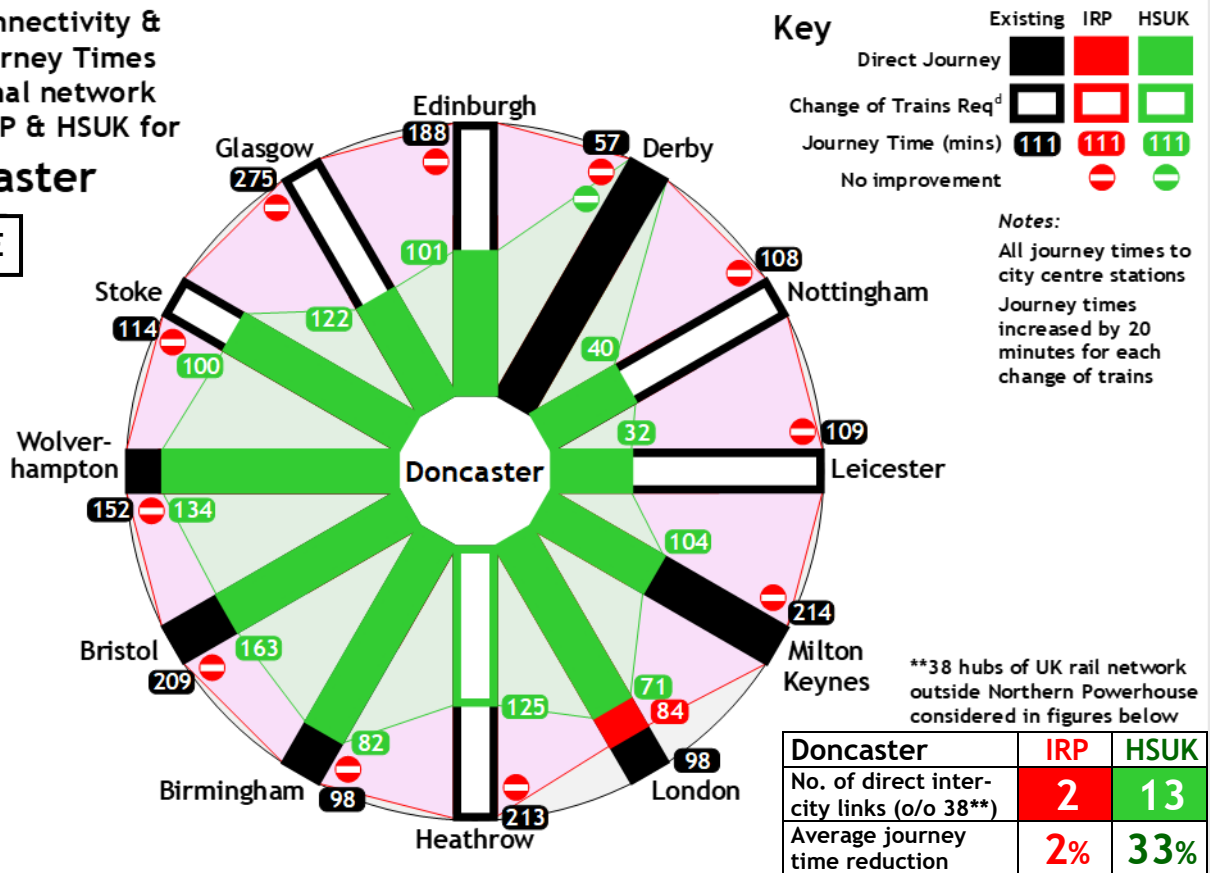
Figure D05.D



Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for

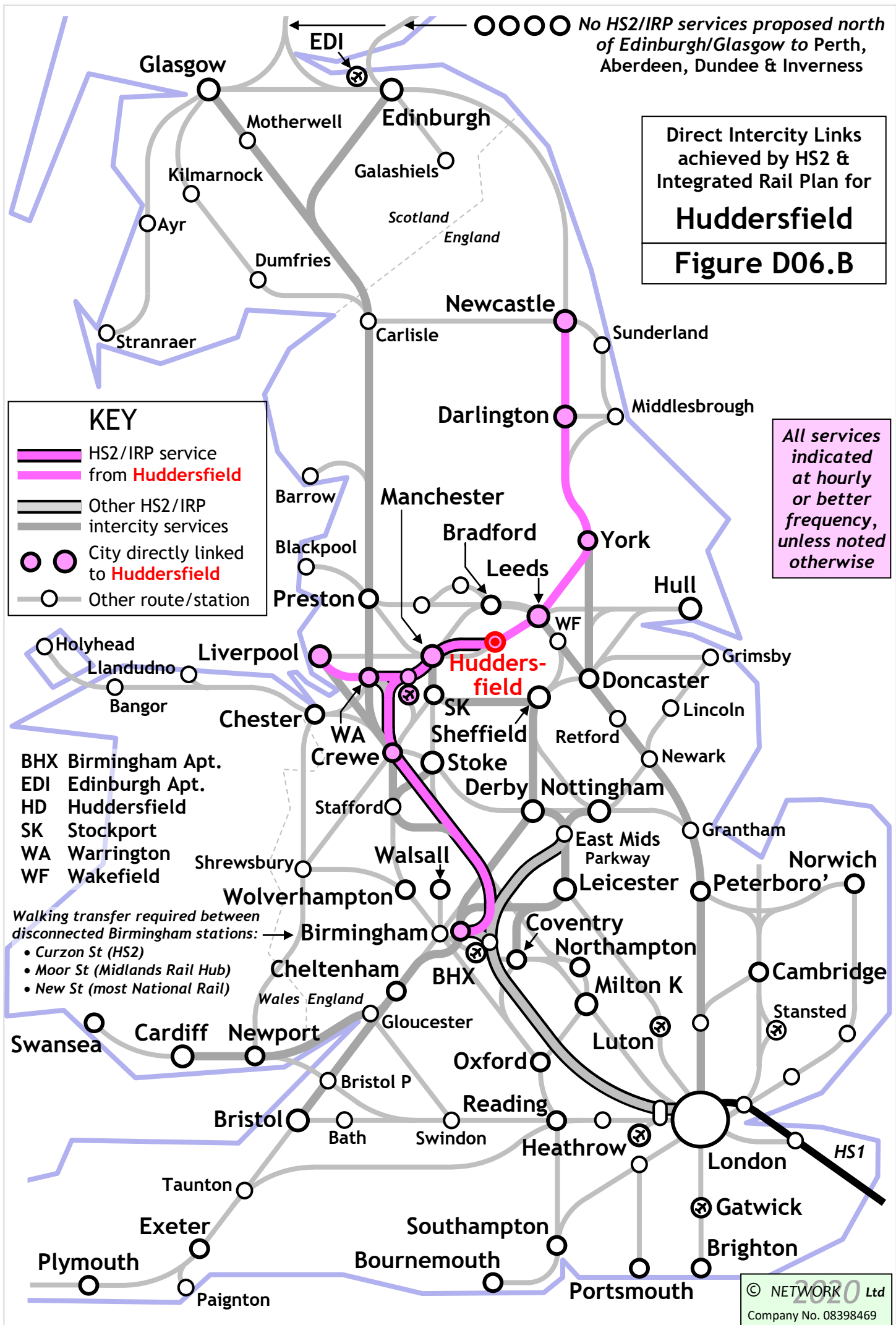
Doncaster

Figure D05.E



D06 : Huddersfield

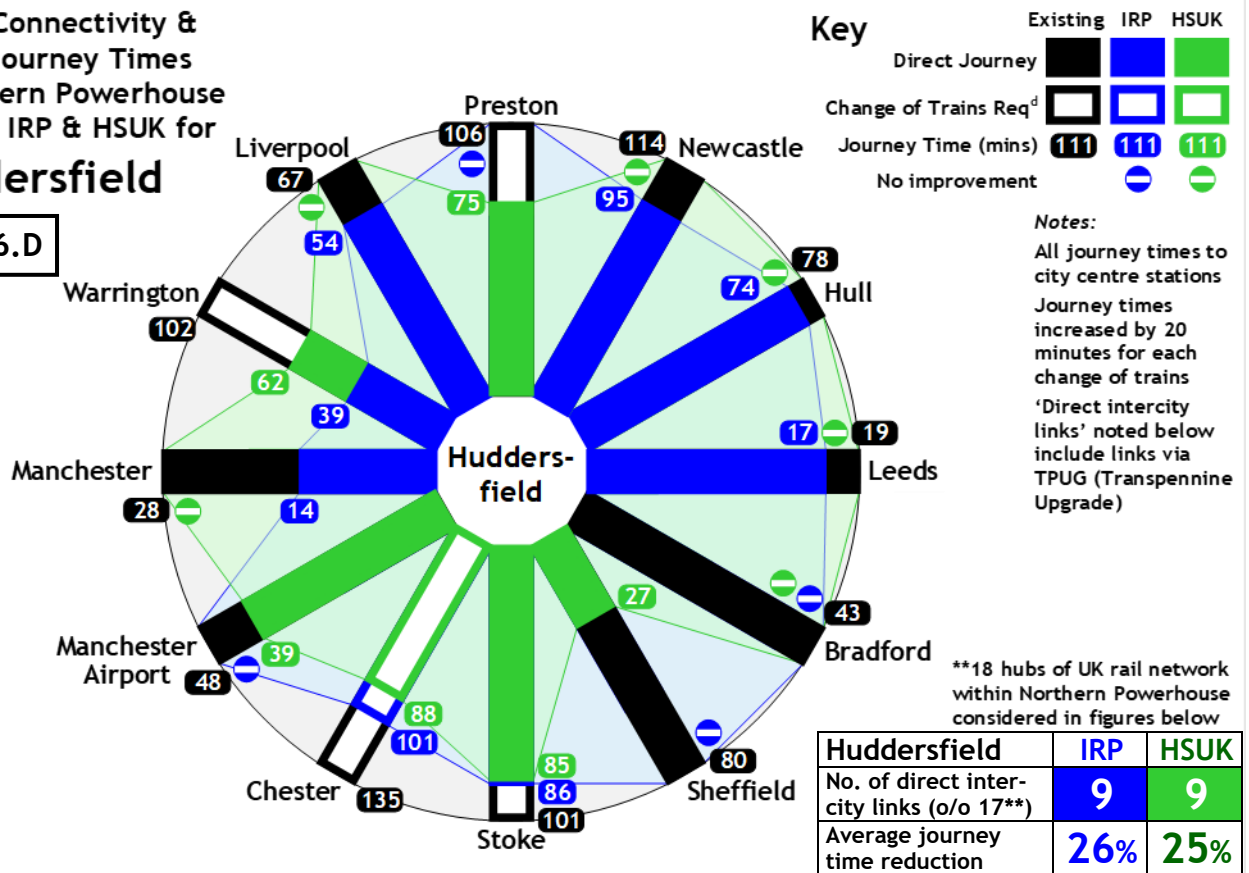
Figure	Title
D06.A	Direct Intercity Links offered by Existing Network for Huddersfield
D06.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Huddersfield
D06.C	Direct Intercity Links achieved by High Speed UK/ Network North for Huddersfield
D06.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Huddersfield
D06.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Huddersfield





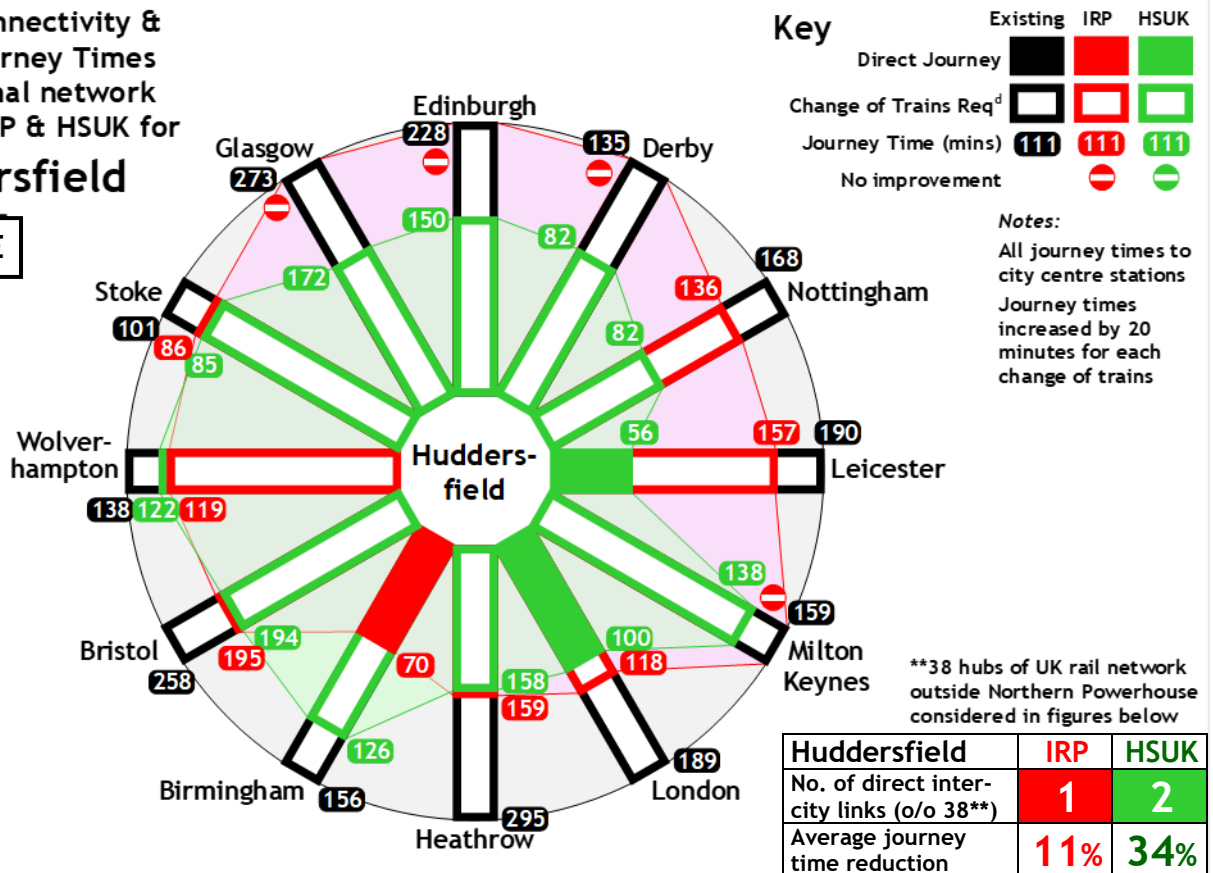
Improved Connectivity &
Reduced Journey Times
within Northern Powerhouse
achieved by IRP & HSUK for
Huddersfield

Figure D06.D



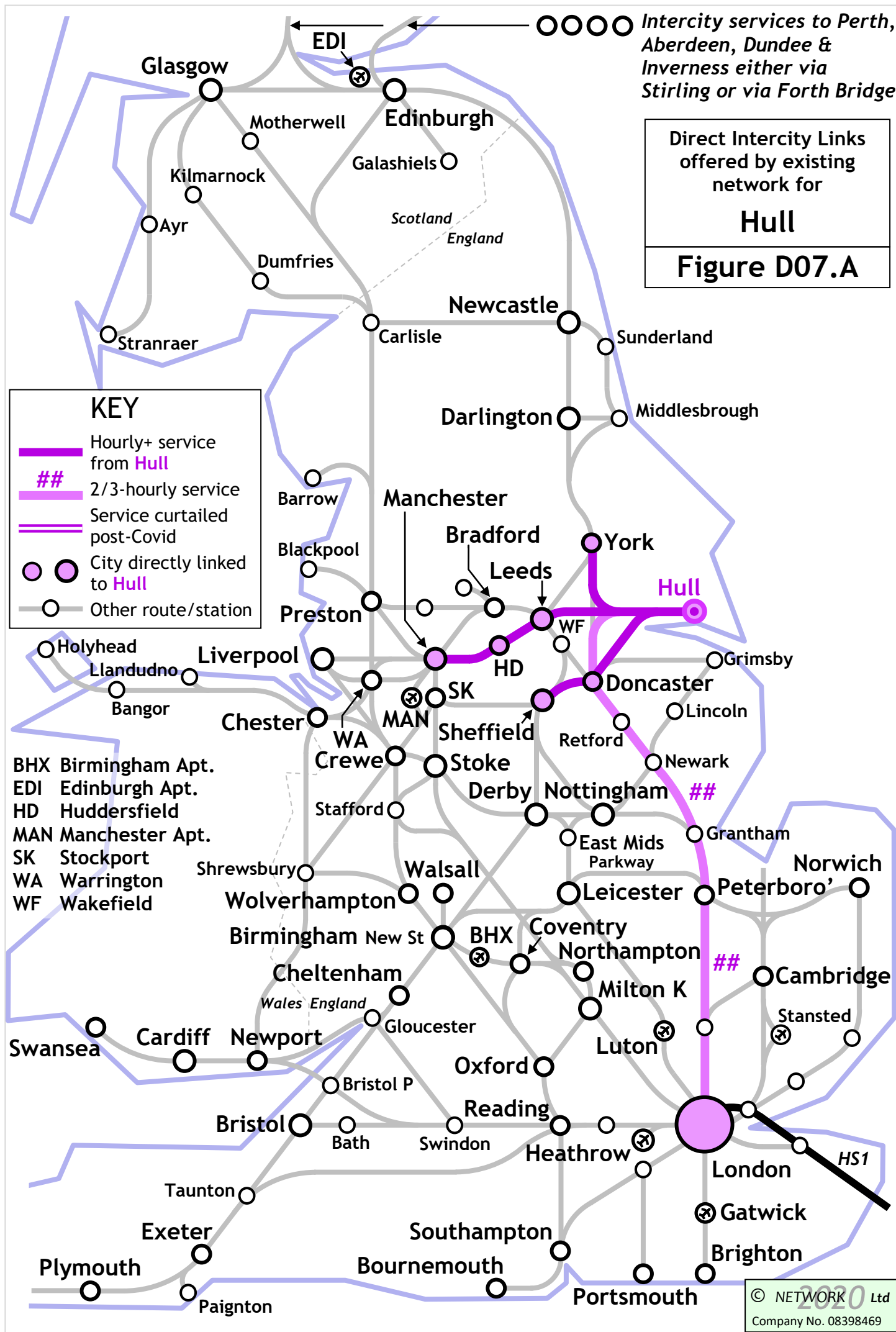
Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for
Huddersfield

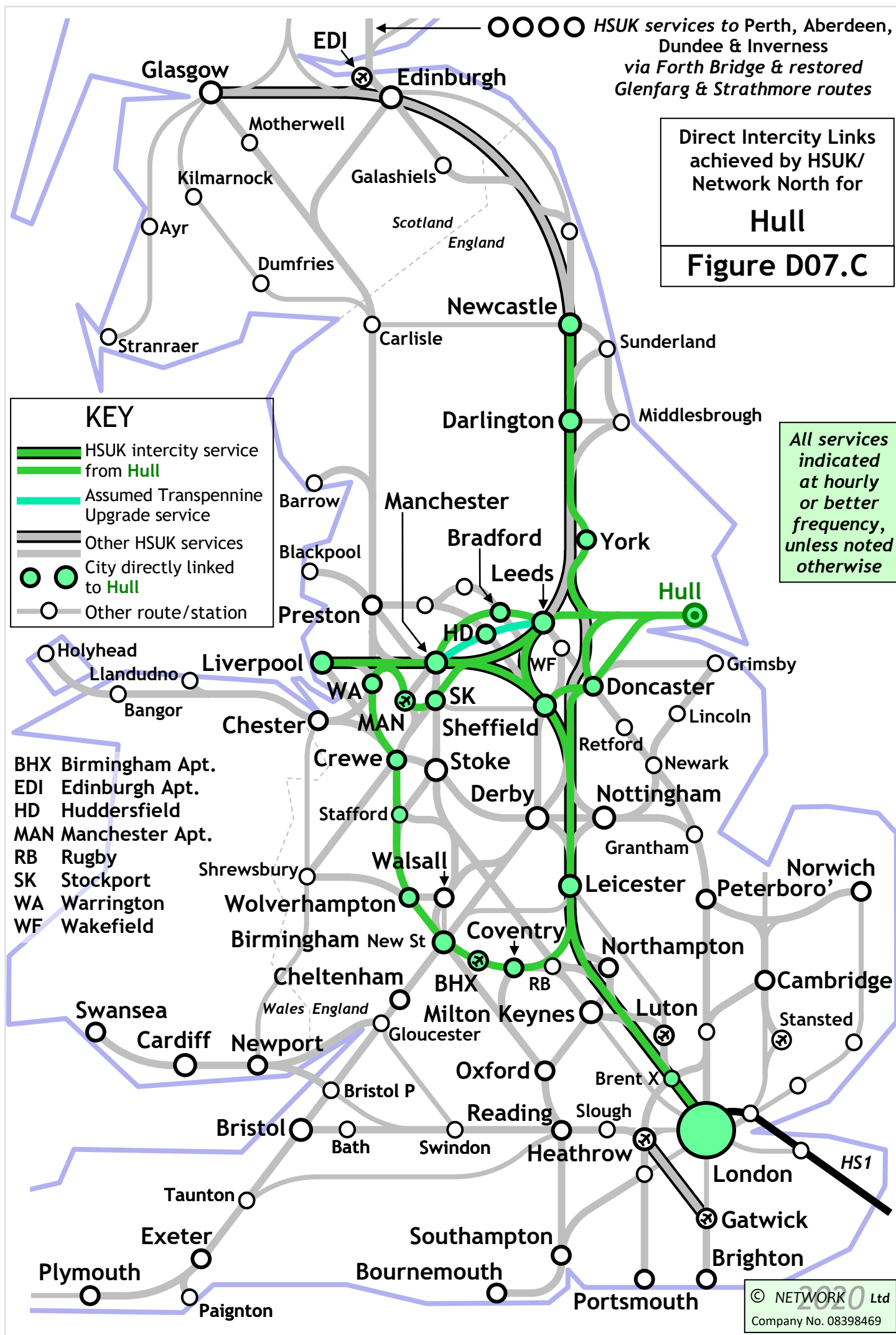
Figure D06.E



D07 : Hull

Figure	Title
D07.A	Direct Intercity Links offered by Existing Network for Hull
D07.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Hull
D07.C	Direct Intercity Links achieved by High Speed UK/ Network North for Hull
D07.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Hull
D07.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Hull

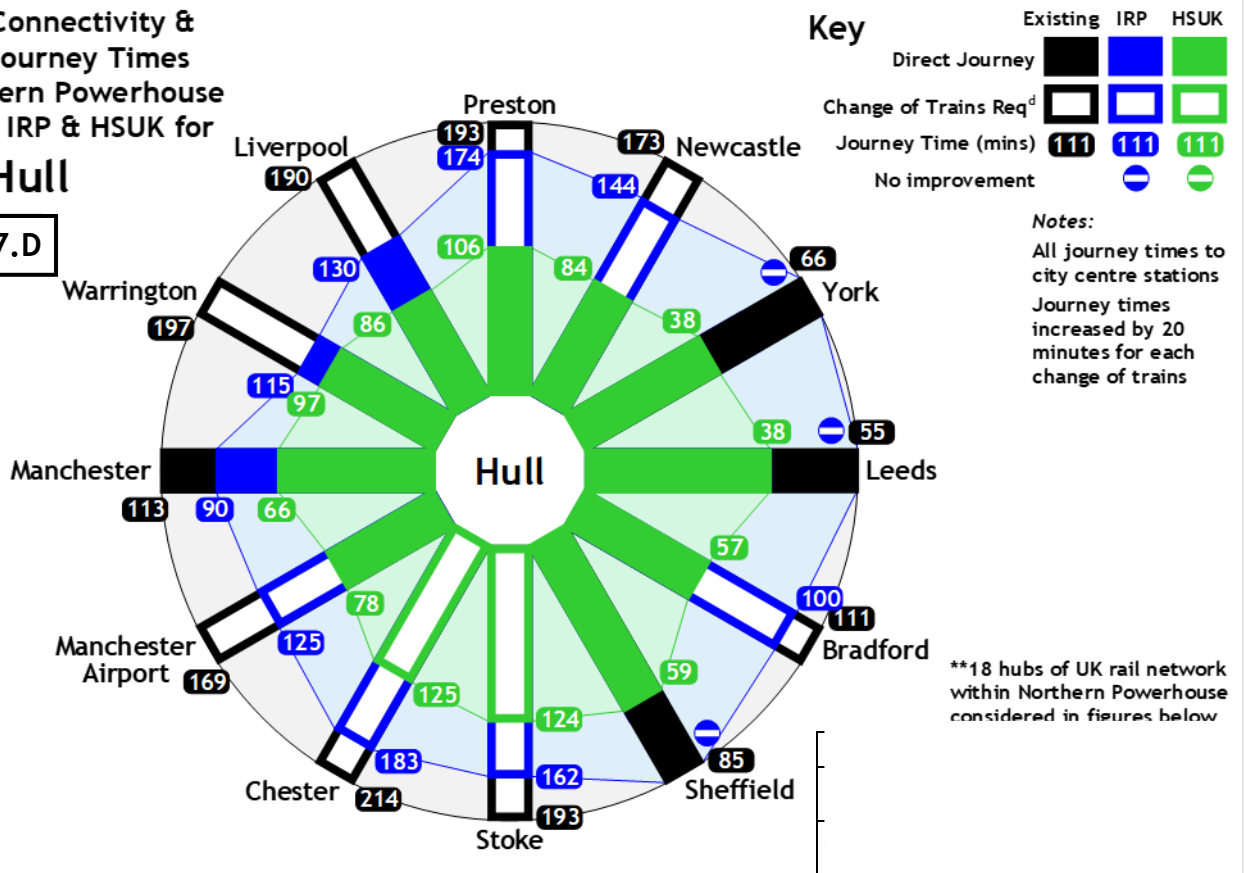




Improved Connectivity &
Reduced Journey Times
within Northern Powerhouse
achieved by IRP & HSUK for

Hull

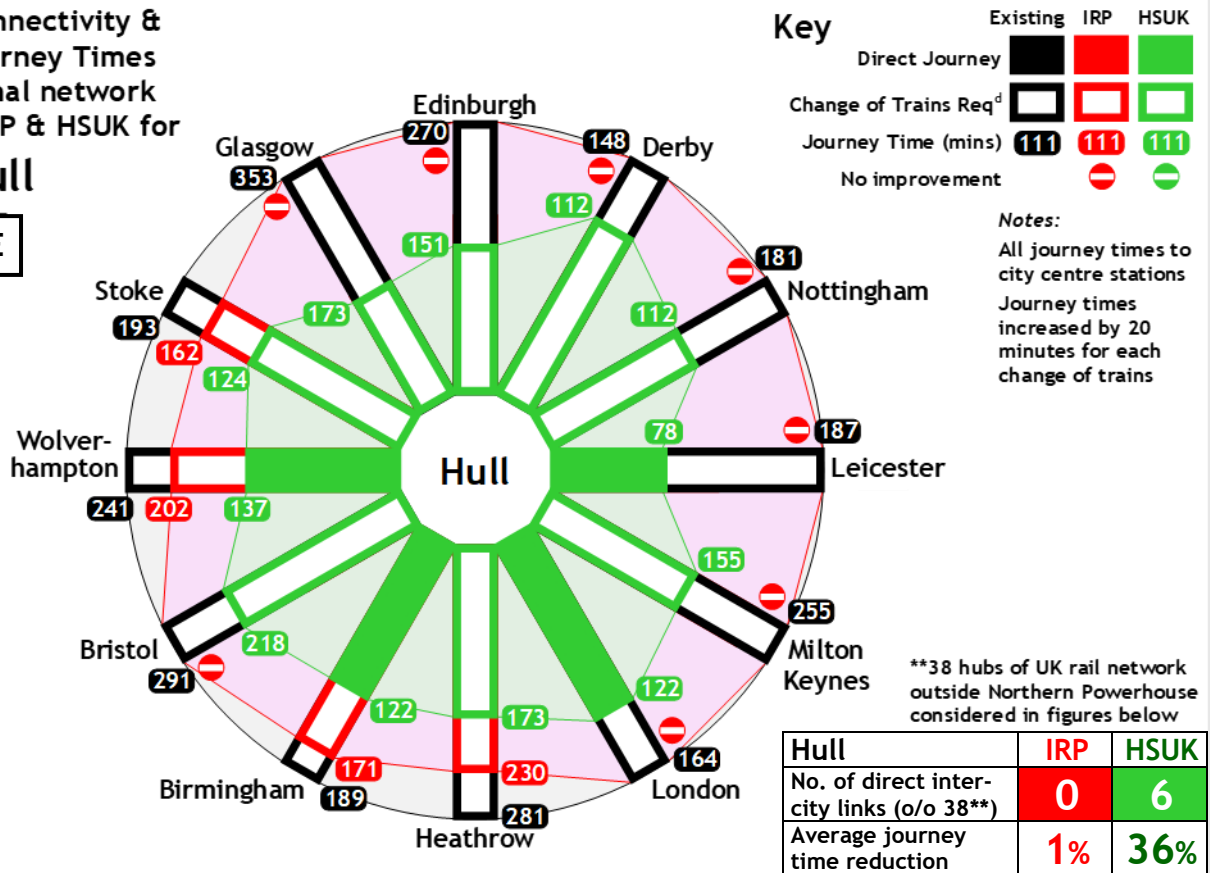
Figure D07.D



Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for

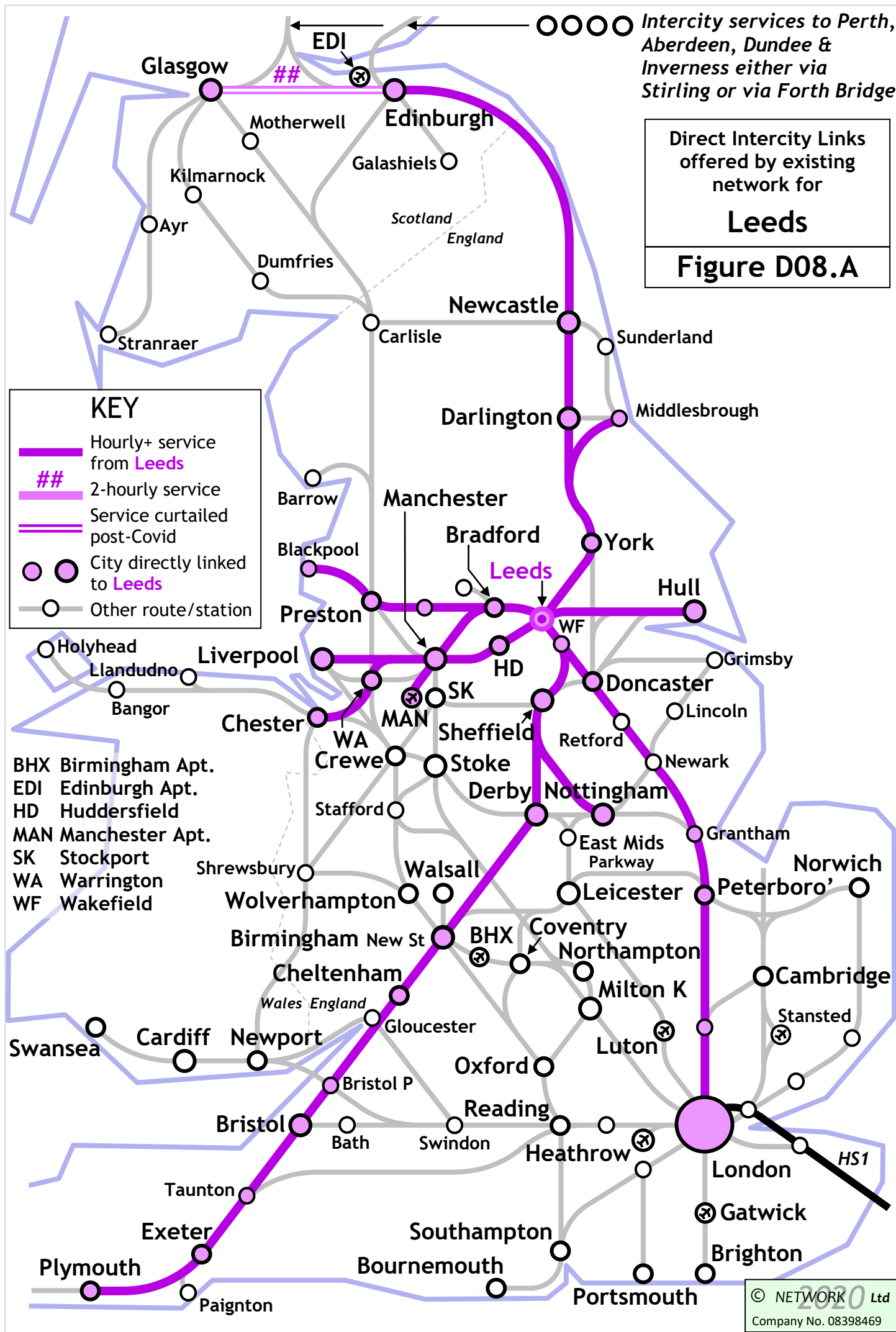
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Figure D07.E

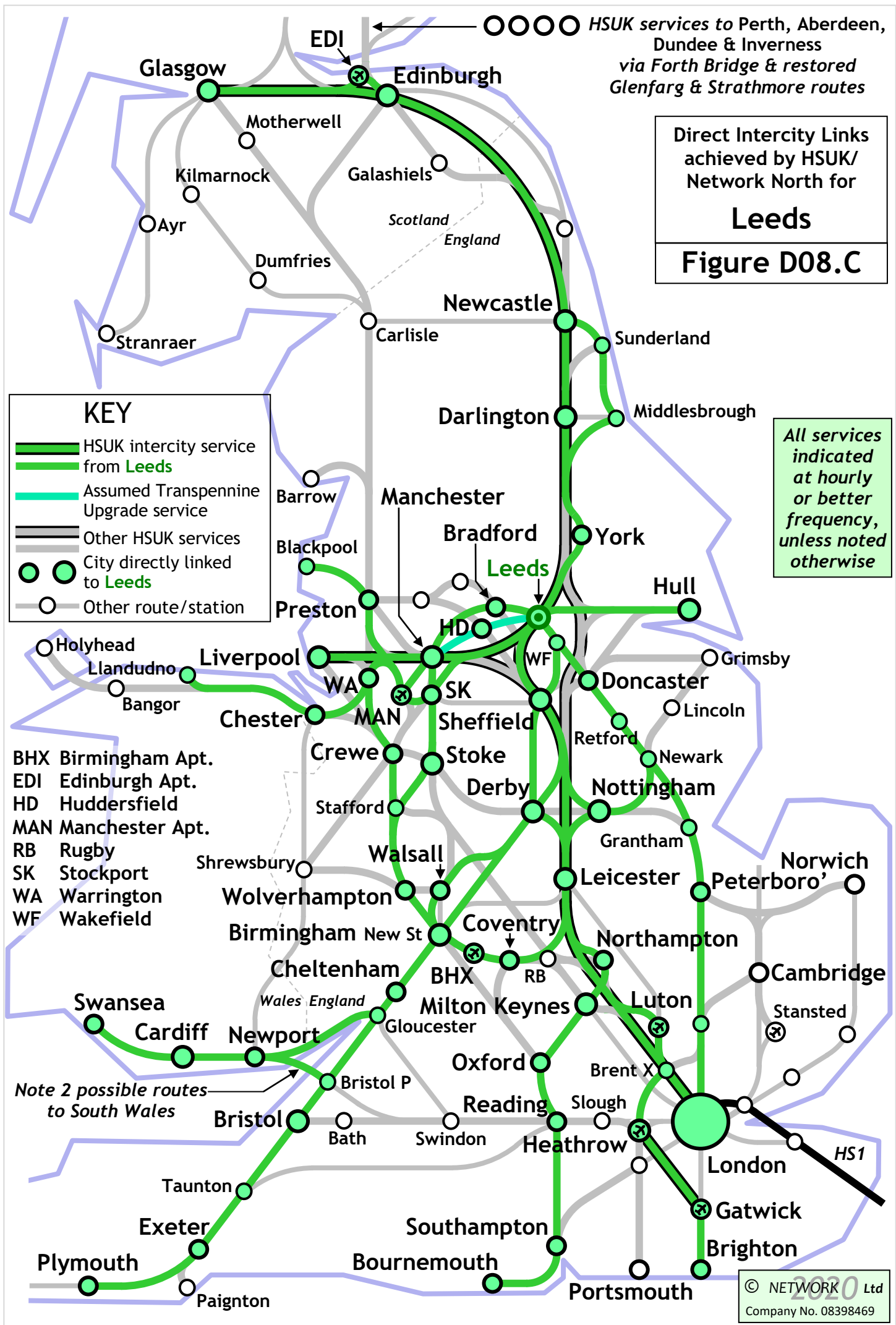


D08 : Leeds

Figure	Title
D08.A	Direct Intercity Links offered by Existing Network for Leeds
D08.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Leeds
D08.C	Direct Intercity Links achieved by High Speed UK/ Network North for Leeds
D08.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Leeds
D08.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Leeds

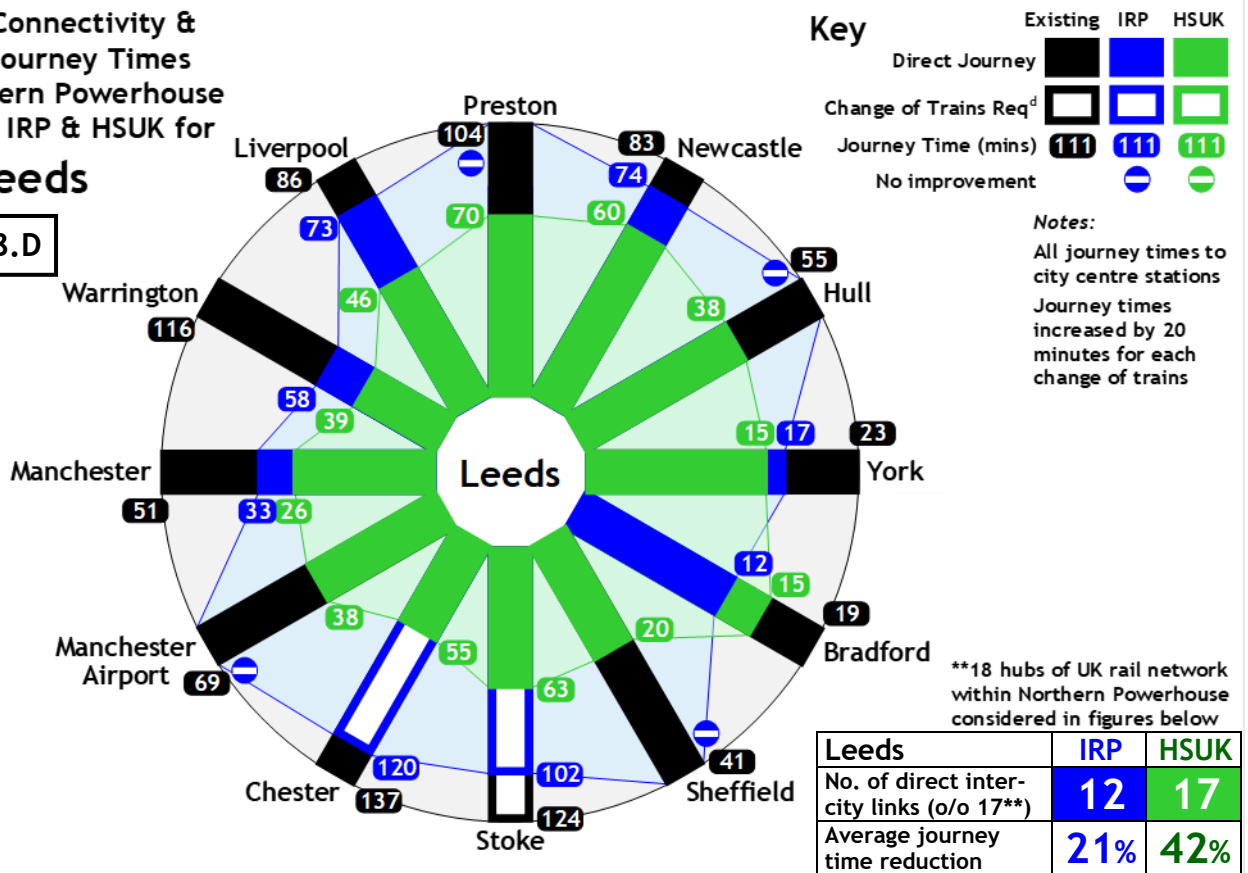






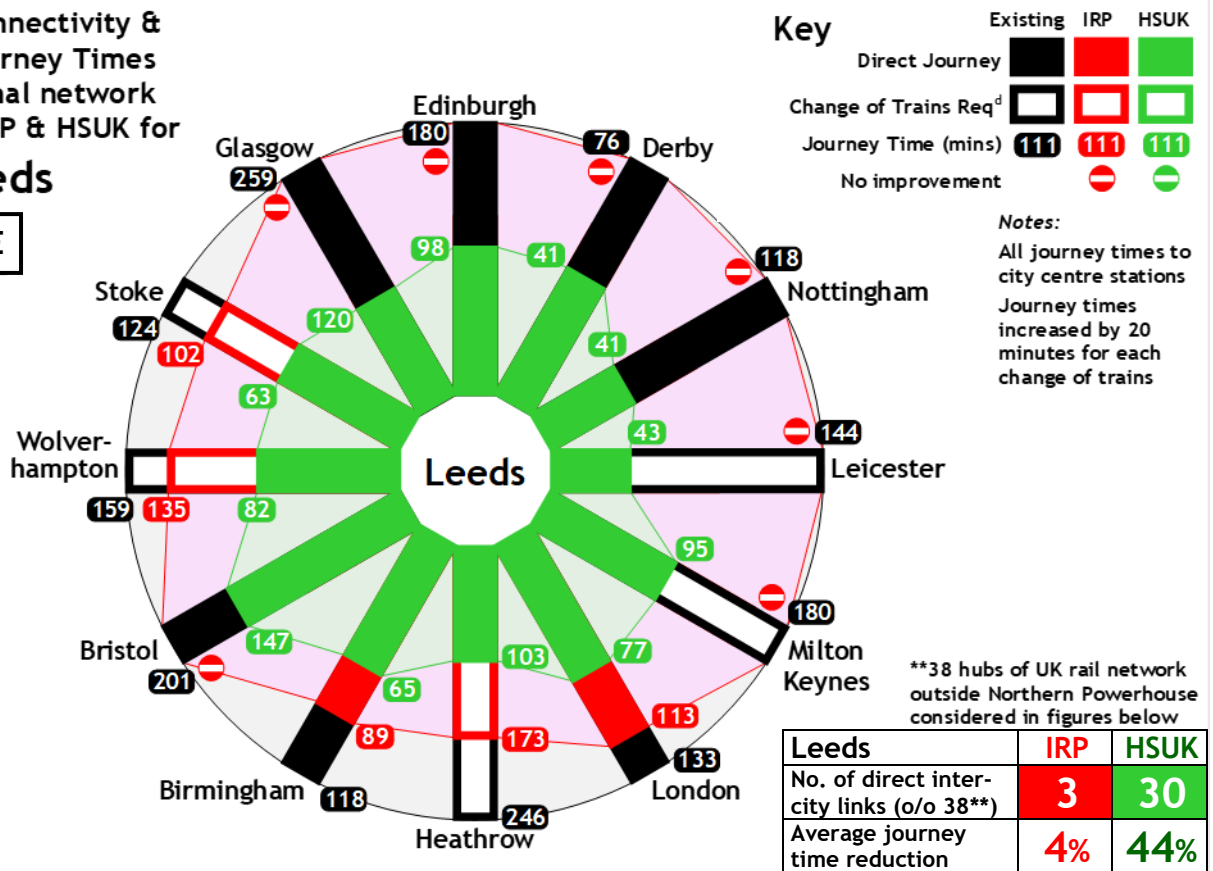
Improved Connectivity &
Reduced Journey Times
within Northern Powerhouse
achieved by IRP & HSUK for
Leeds

Figure D08.D



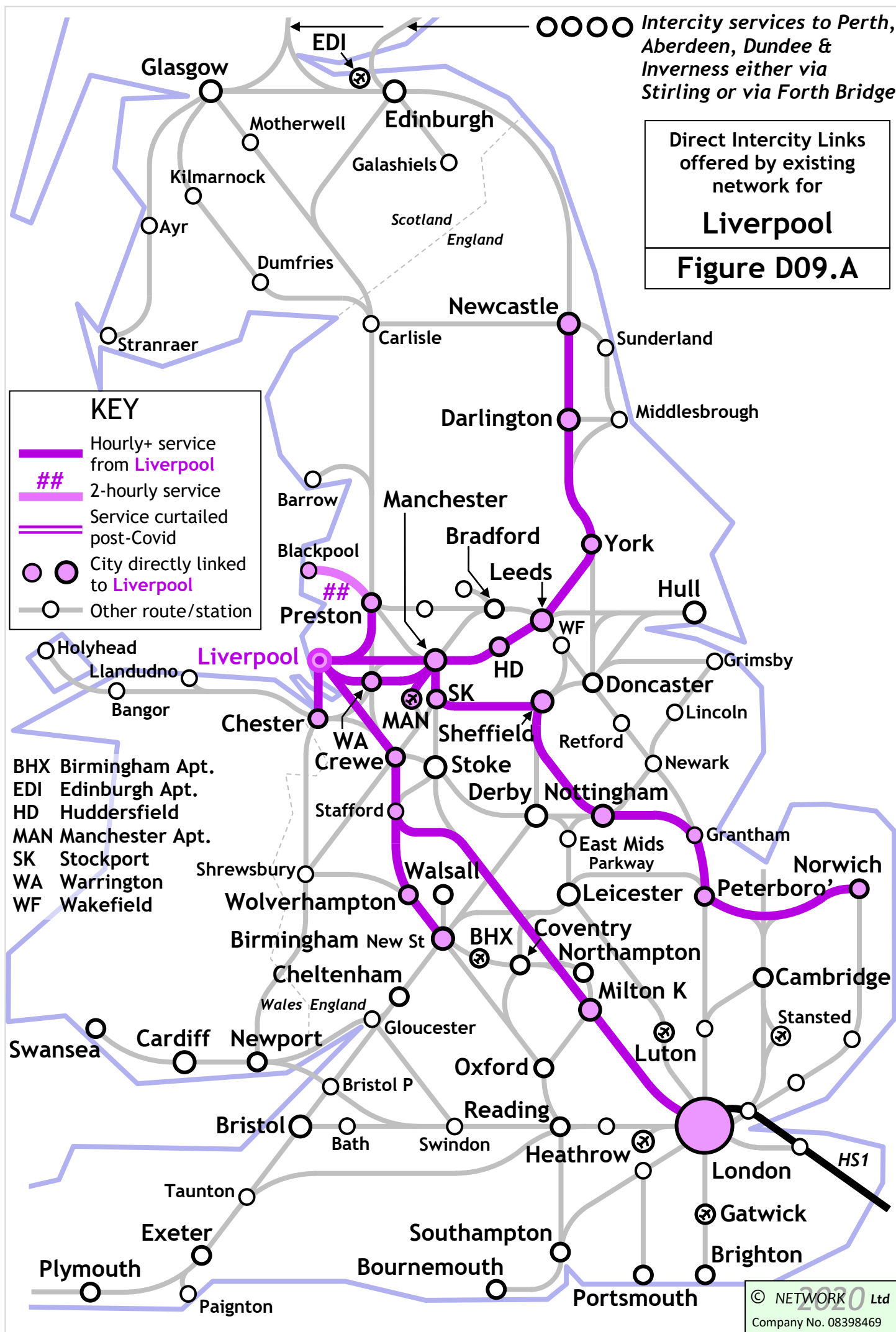
Improved Connectivity &
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Leeds

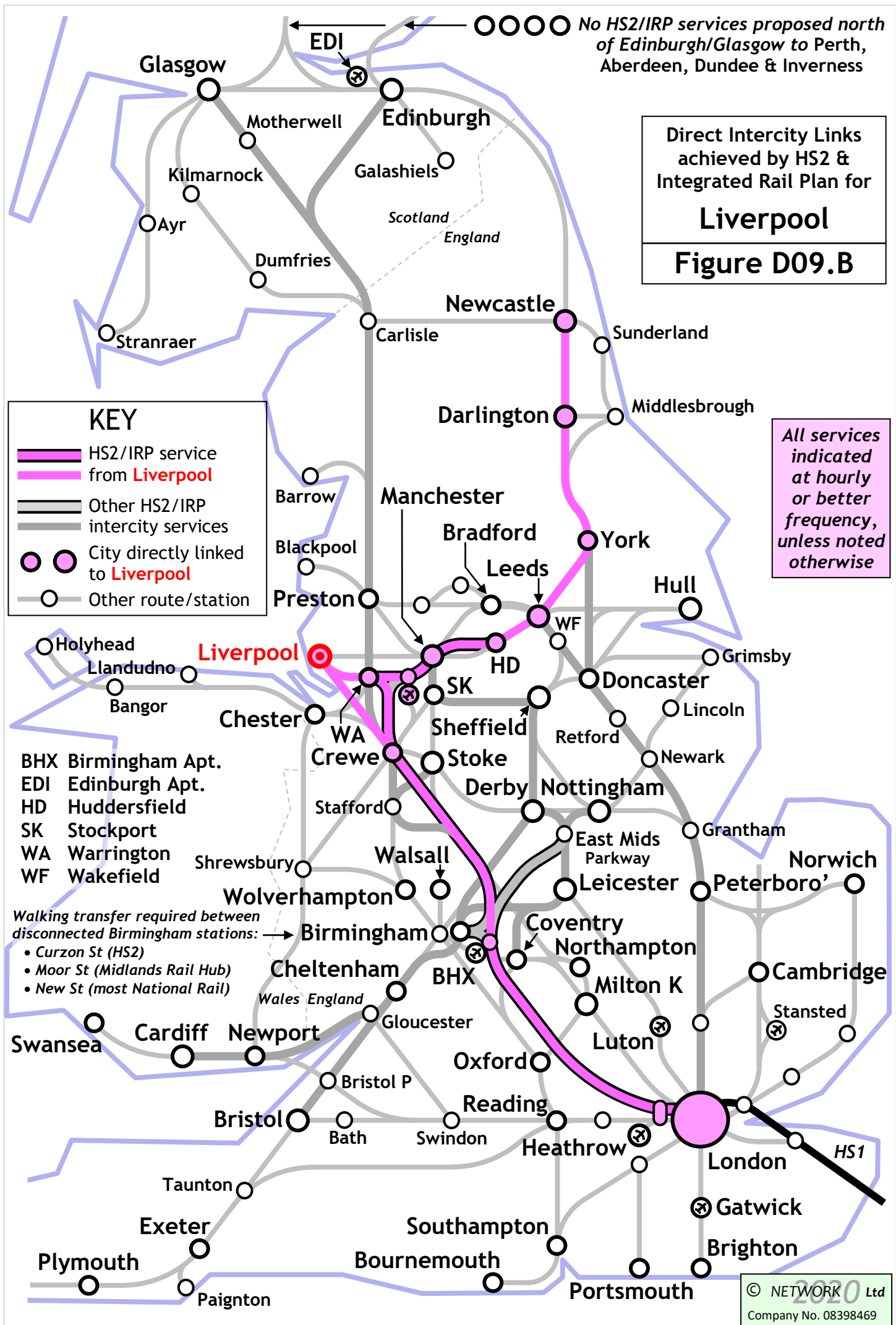
Figure D08.E

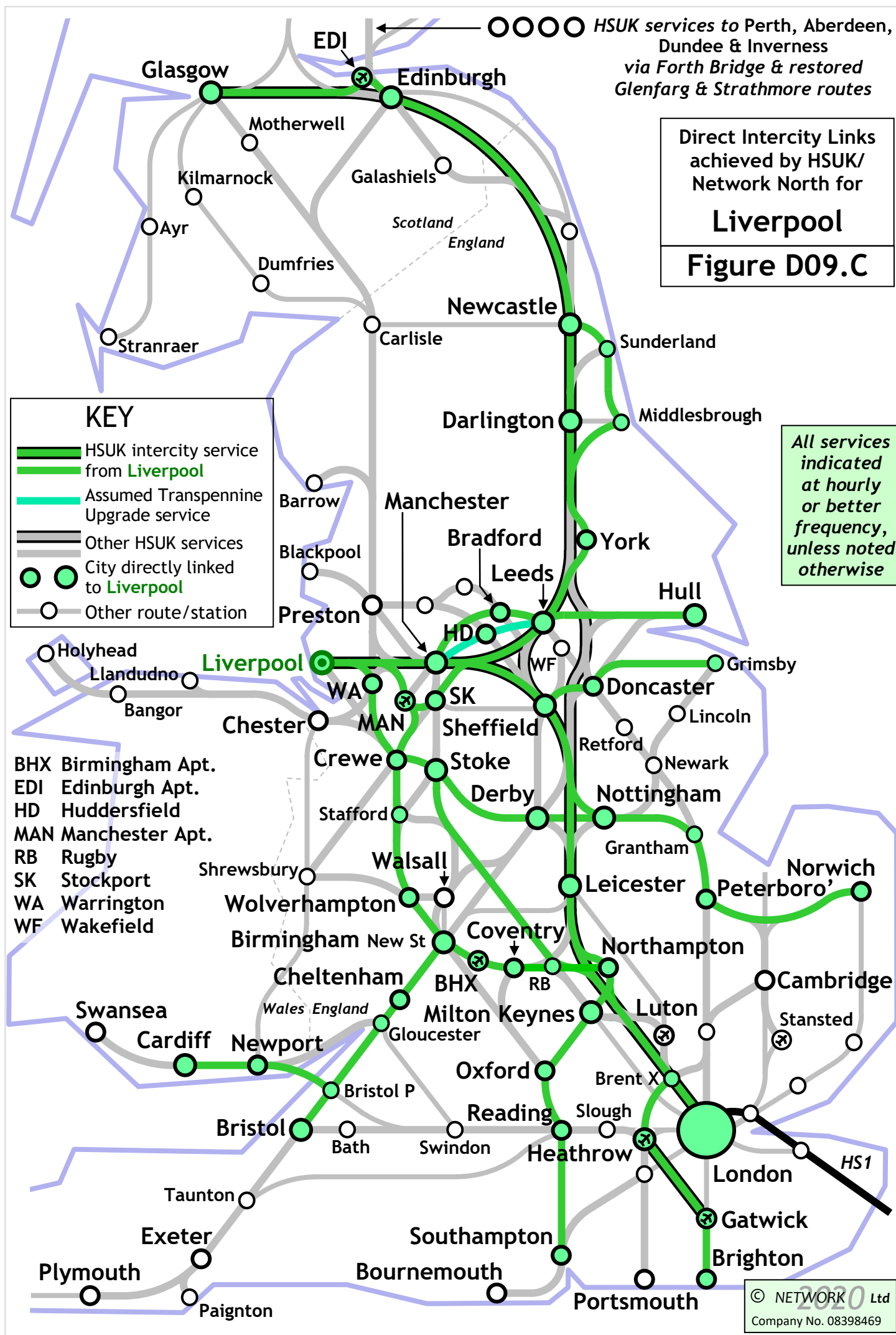


D09 : Liverpool

Figure	Title
D09.A	Direct Intercity Links offered by Existing Network for Liverpool
D09.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Liverpool
D09.C	Direct Intercity Links achieved by High Speed UK/ Network North for Liverpool
D09.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Liverpool
D09.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Liverpool



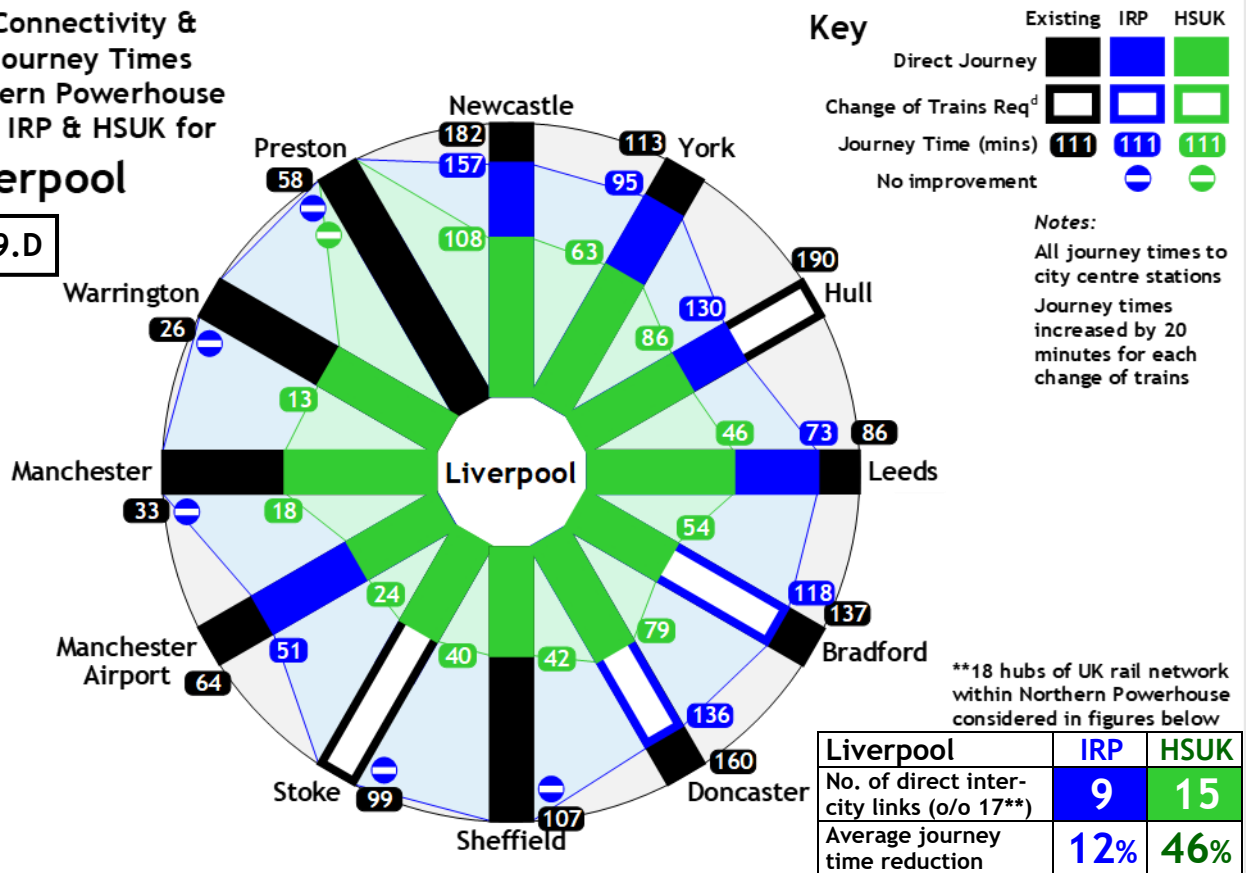




Improved Connectivity &
Reduced Journey Times
within Northern Powerhouse
achieved by IRP & HSUK for

Liverpool

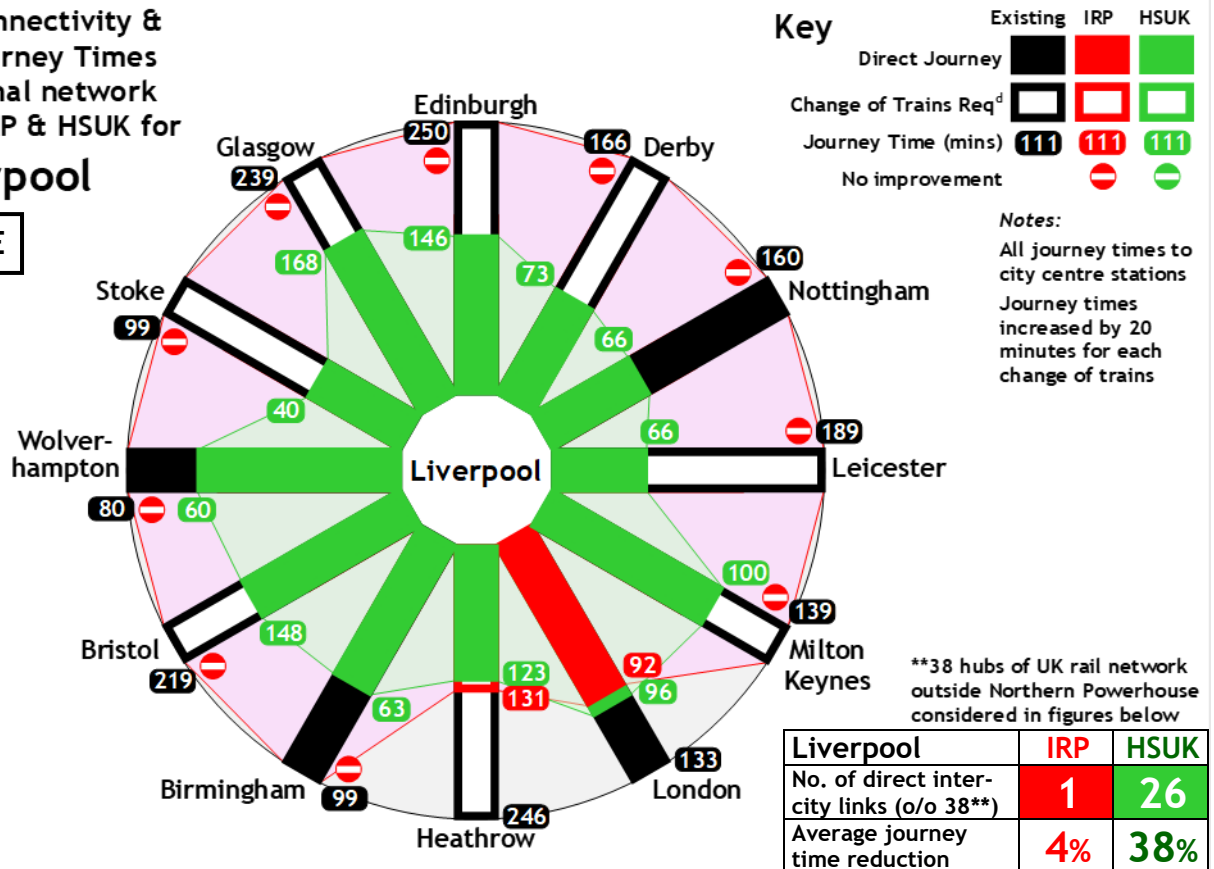
Figure D09.D



Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for

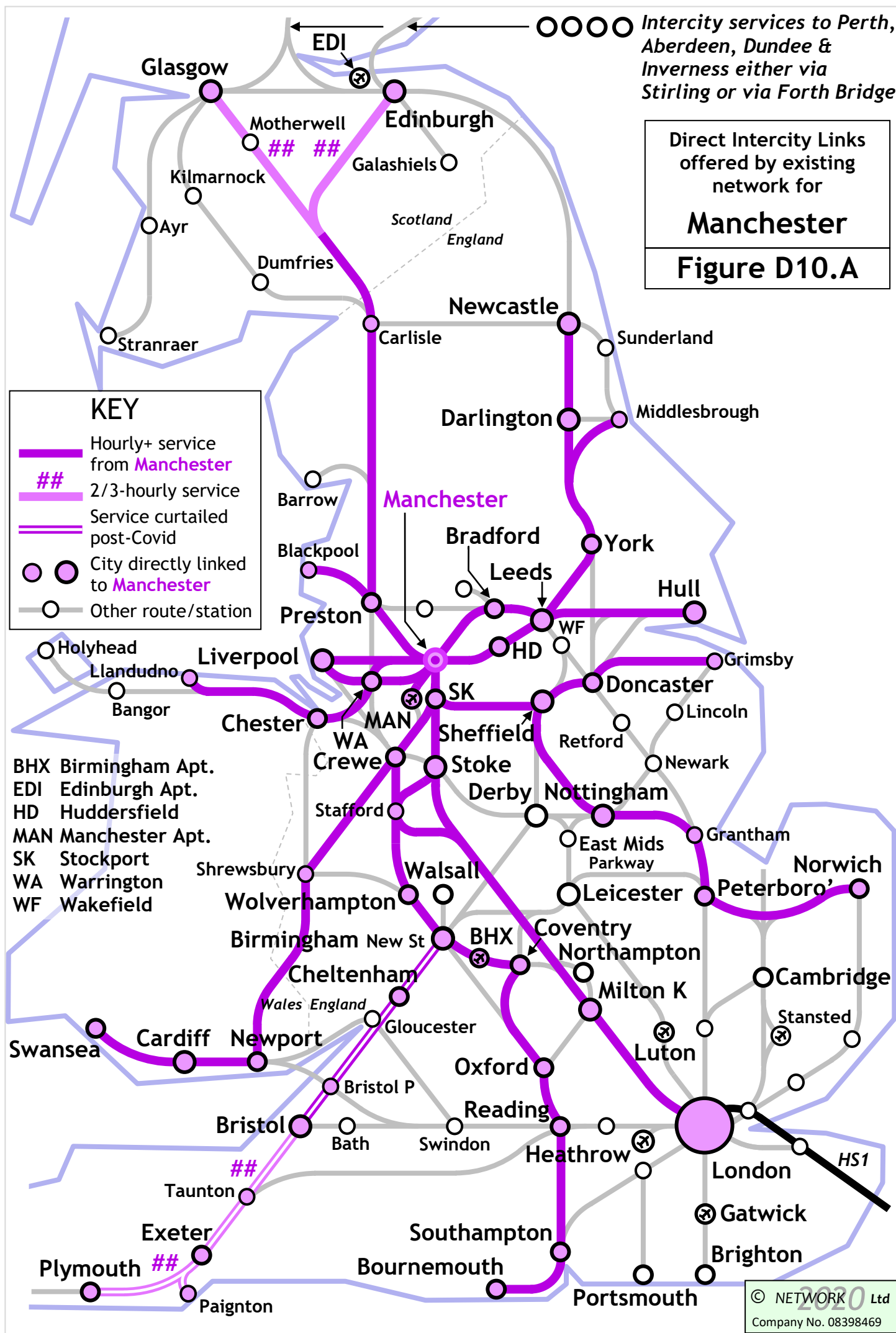
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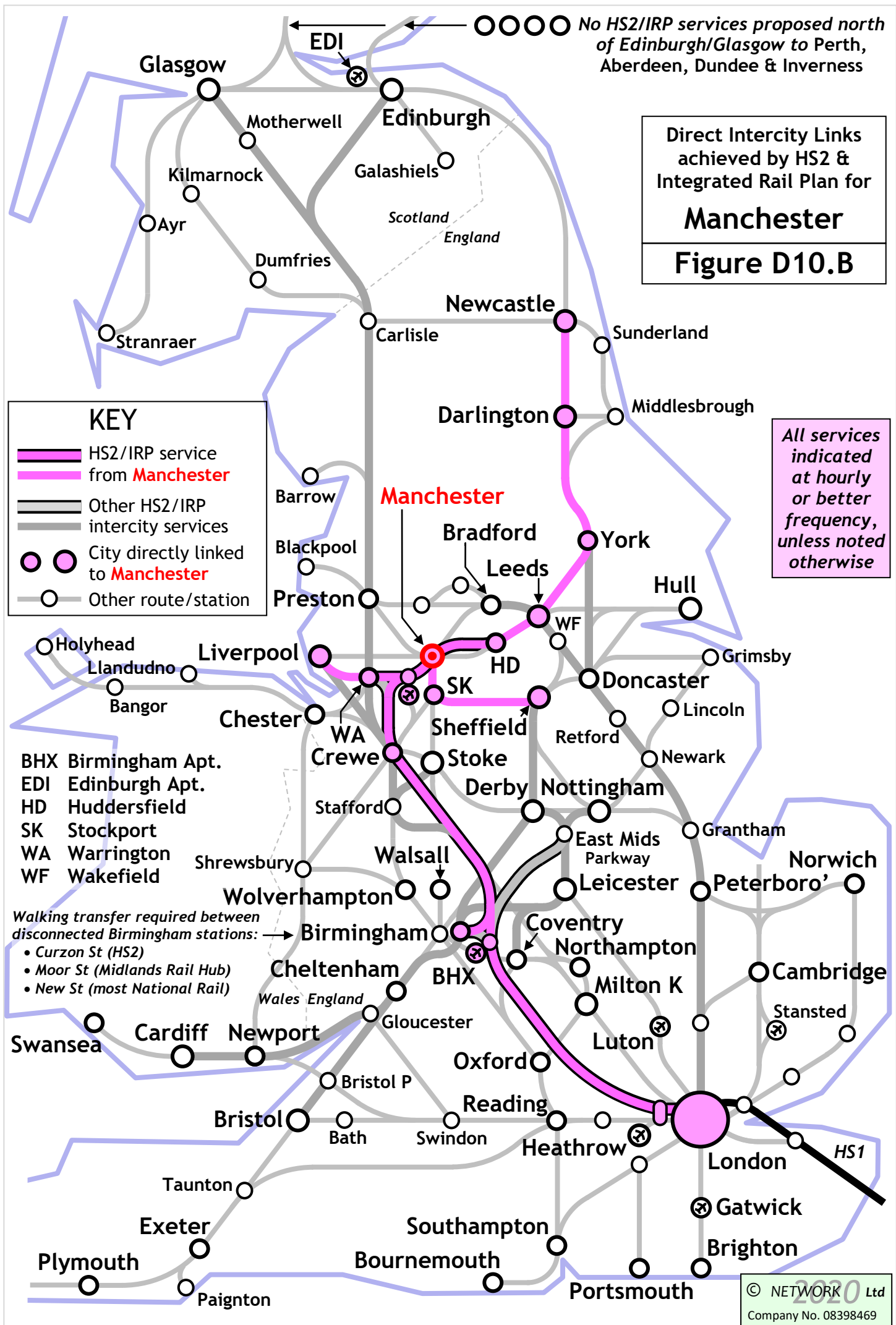
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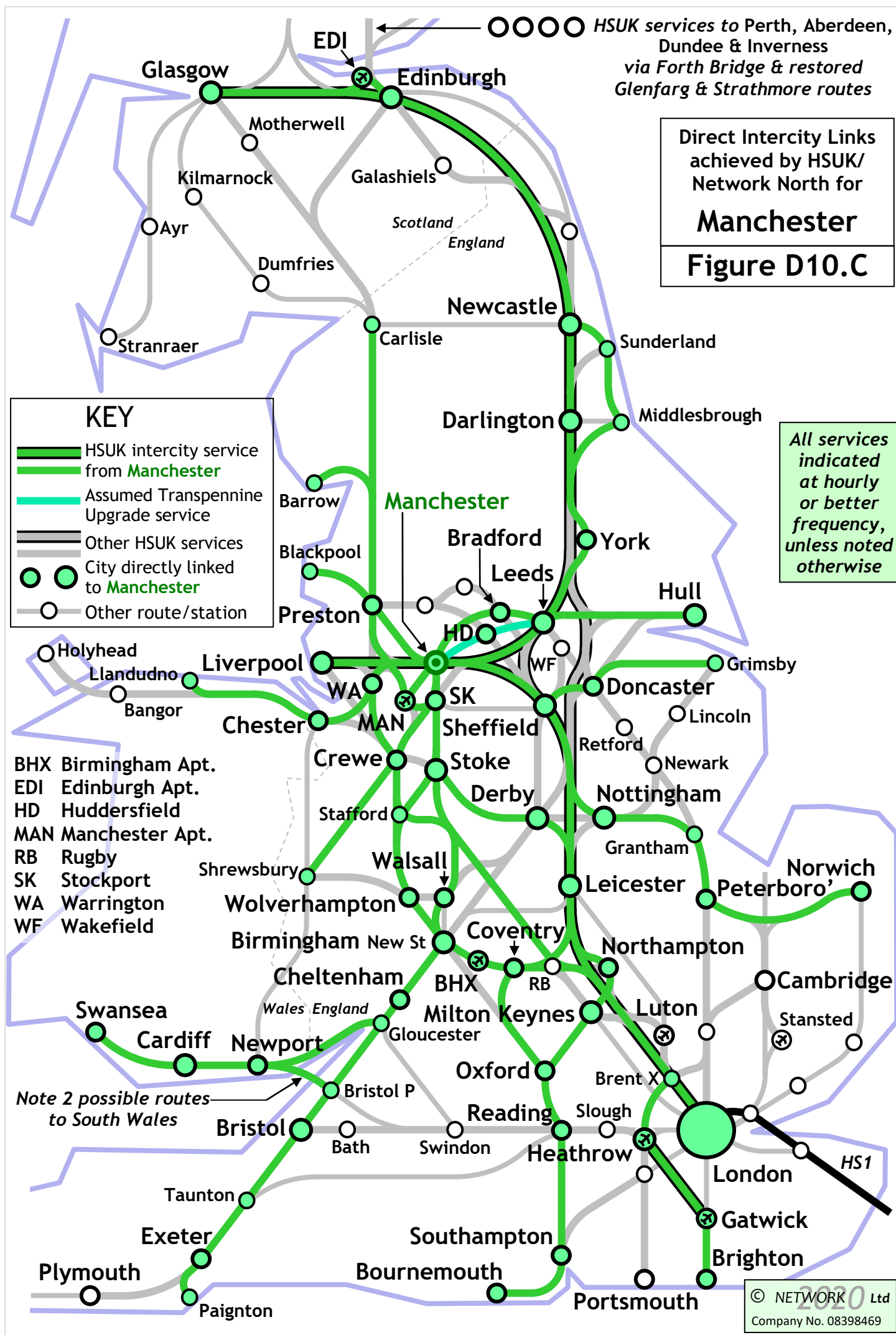


D10 : Manchester

Figure	Title
D10.A	Direct Intercity Links offered by Existing Network for Manchester
D10.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Manchester
D10.C	Direct Intercity Links achieved by High Speed UK/ Network North for Manchester
D10.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Manchester
D10.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Manchester







Manchester

Manchester

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D11 : Manchester Airport (MAN)

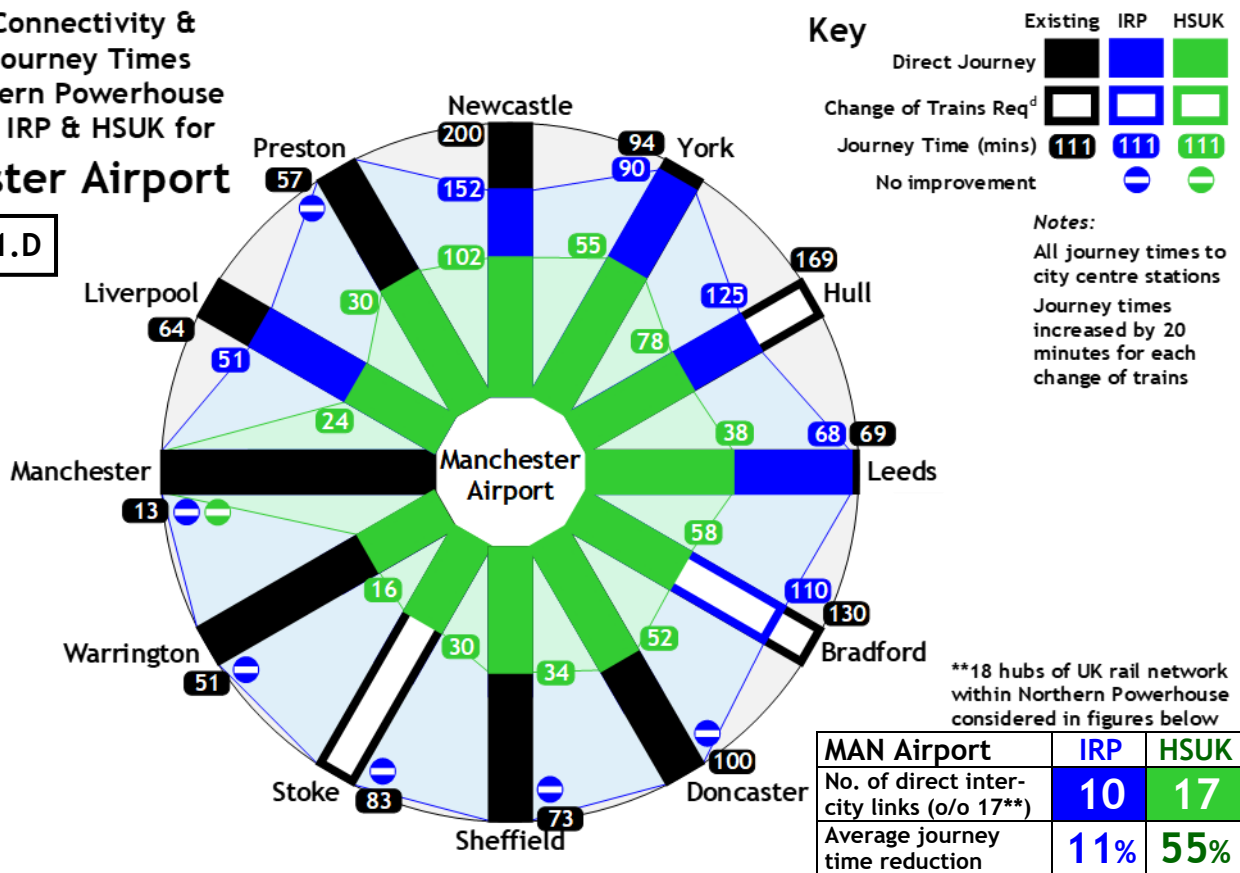
Figure	Title
D11.A	Direct Intercity Links offered by Existing Network for Manchester Airport
D11.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Manchester Airport
D11.C	Direct Intercity Links achieved by High Speed UK/ Network North for Manchester Airport
D11.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Manchester Airport
D11.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Manchester Airport





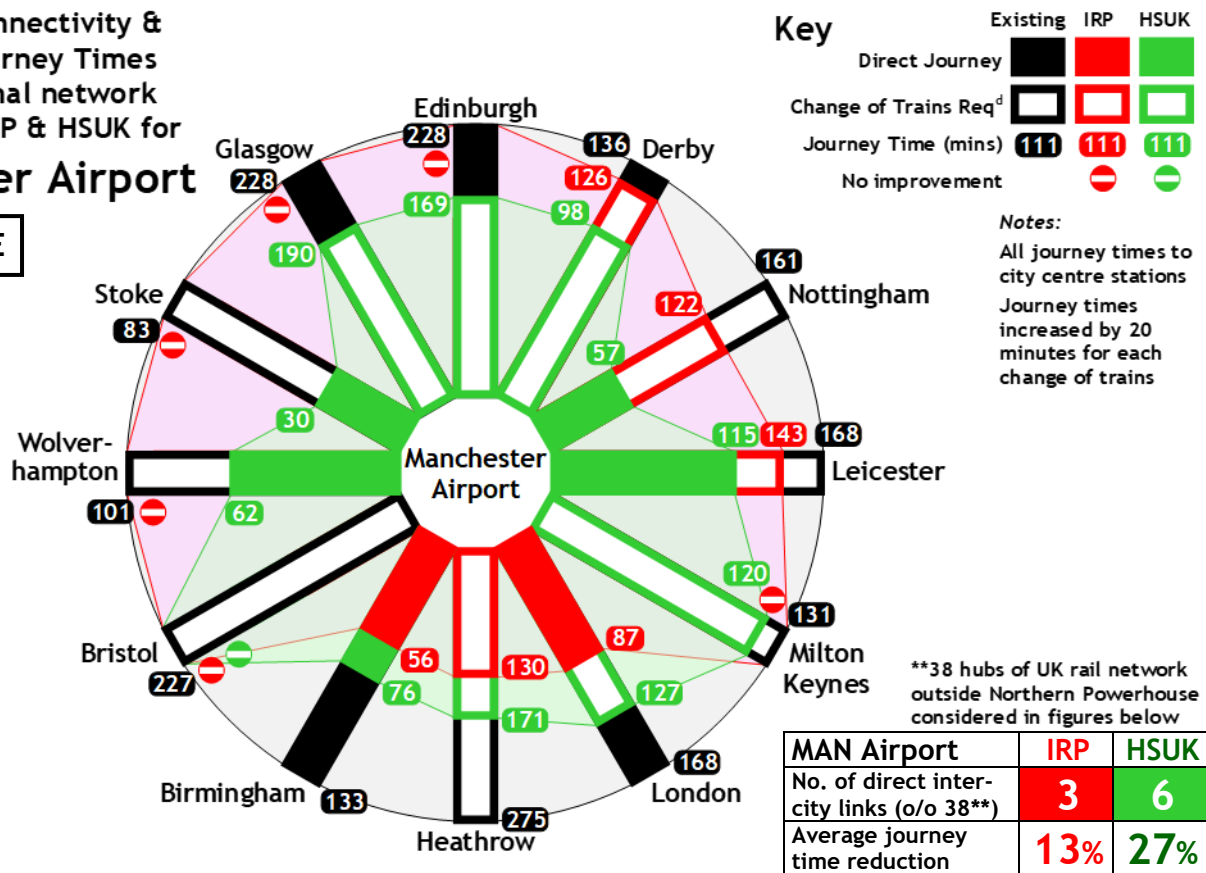
Manchester Airport

Figure D11.D



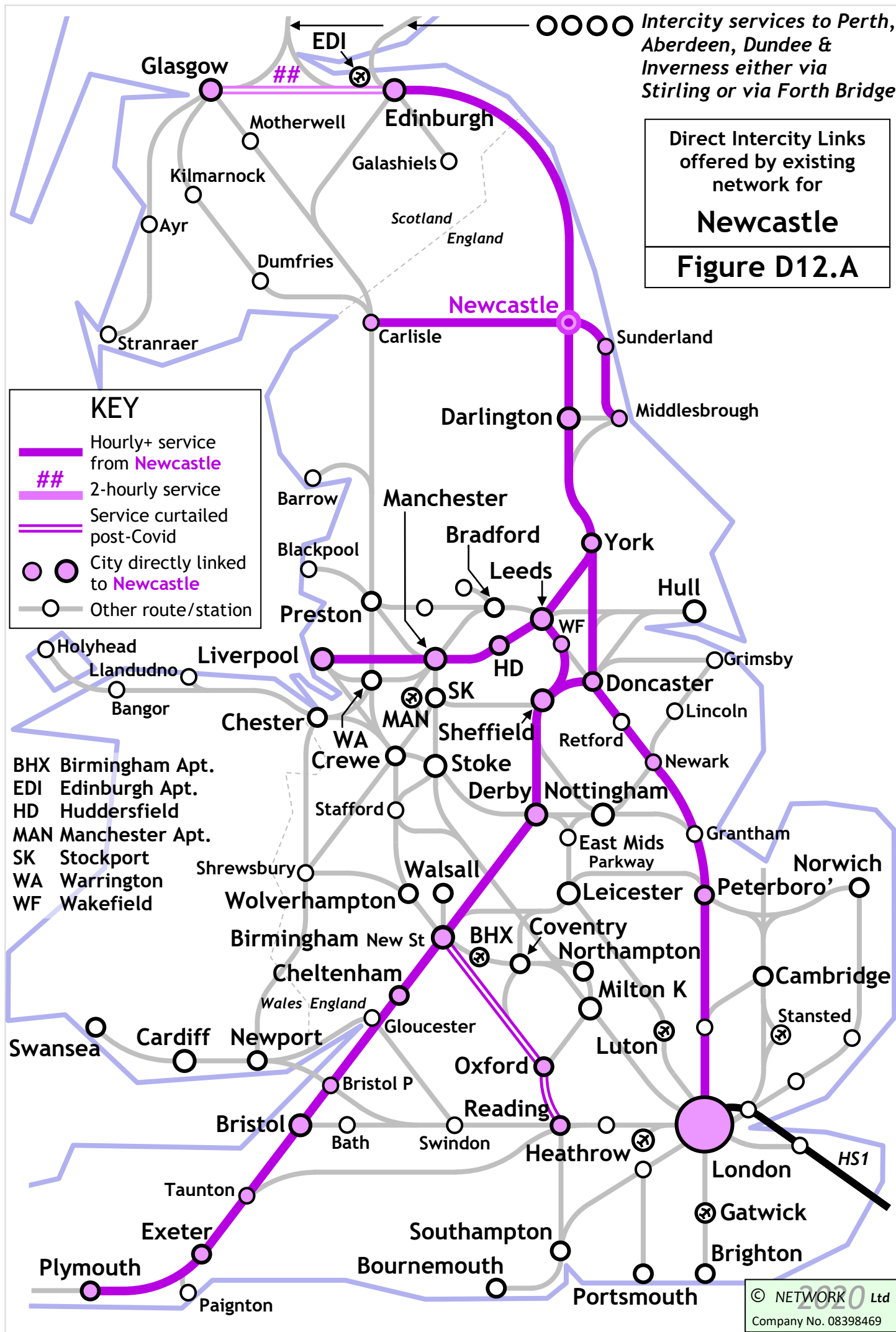
Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for
Manchester Airport

Figure D11.E

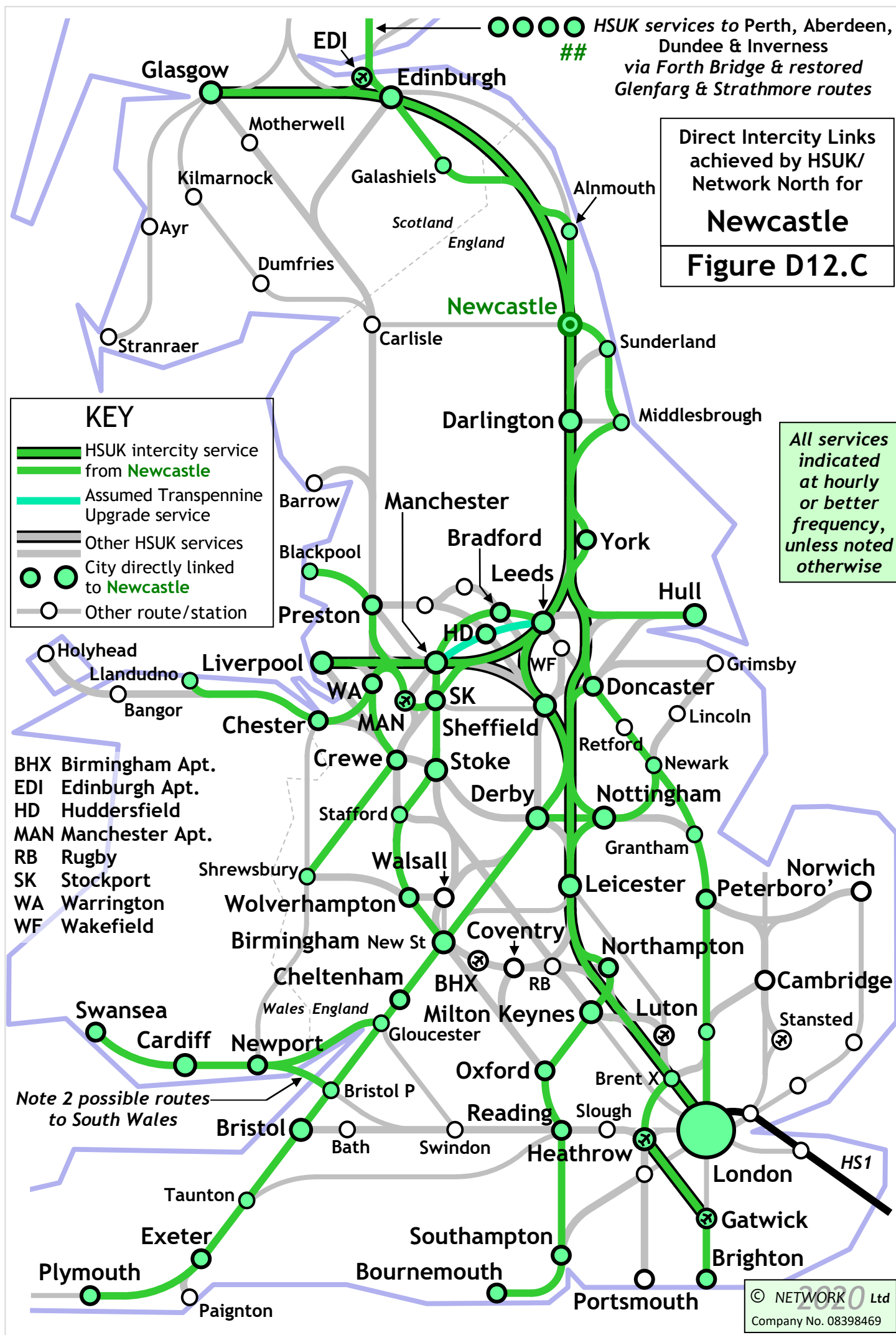


D12 : Newcastle

Figure	Title
D12.A	Direct Intercity Links offered by Existing Network for Newcastle
D12.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Newcastle
D12.C	Direct Intercity Links achieved by High Speed UK/ Network North for Newcastle
D12.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Newcastle
D12.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Newcastle

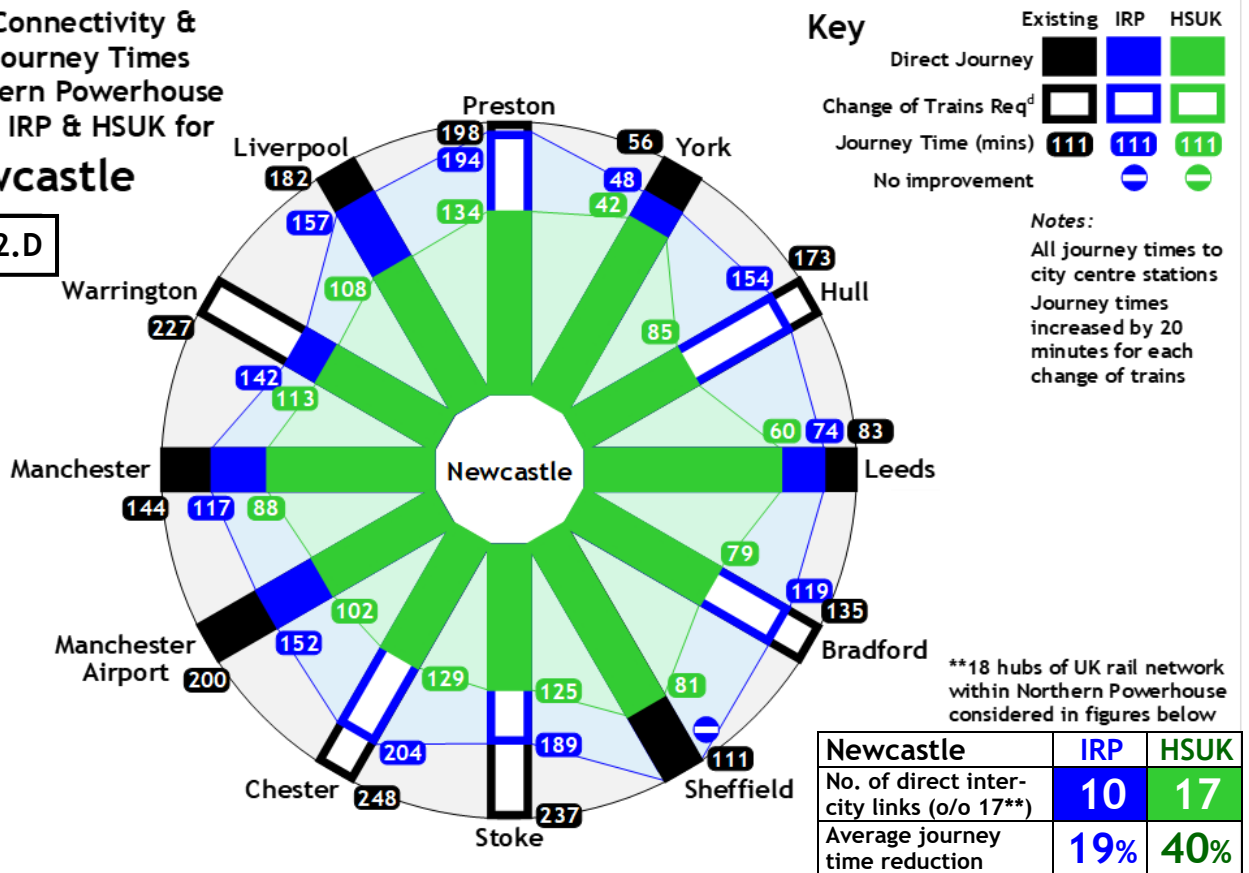






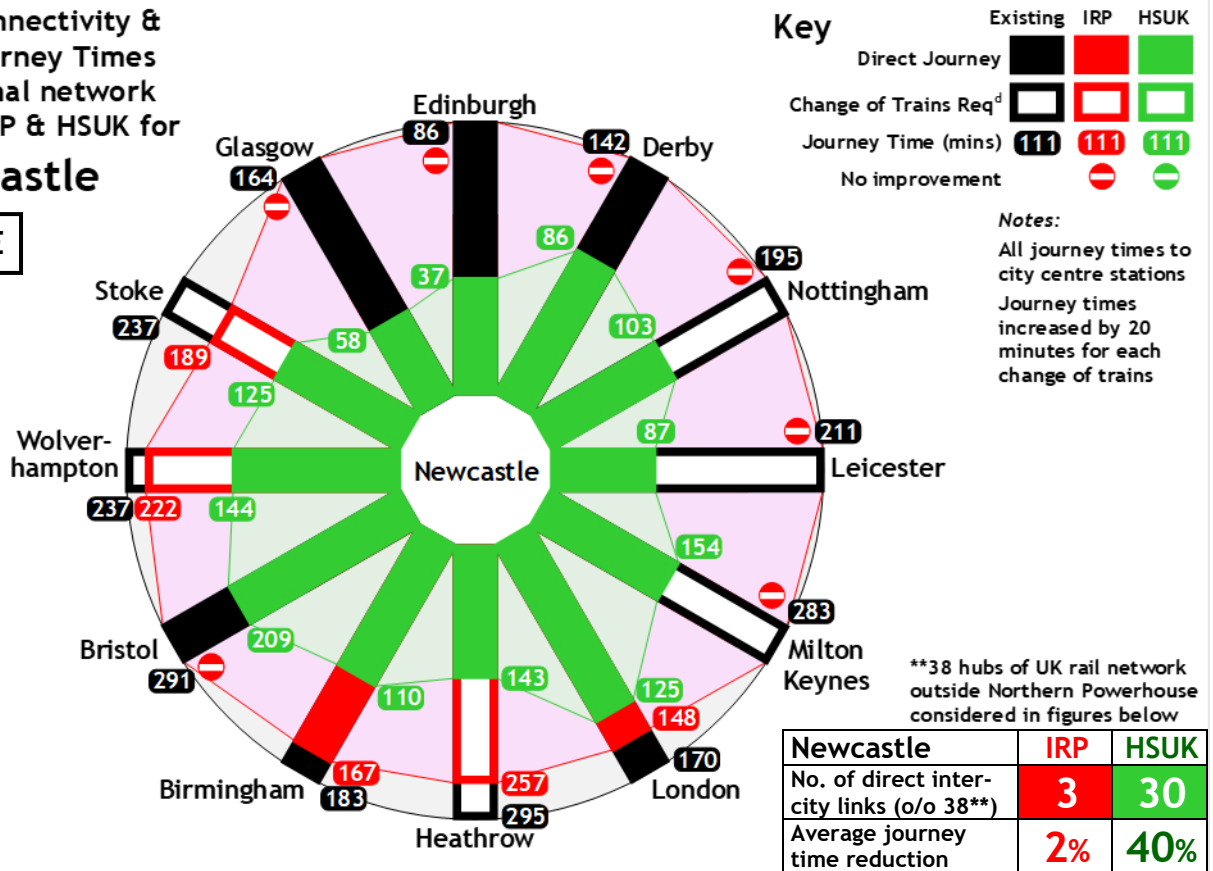
Improved Connectivity &
Reduced Journey Times
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Newcastle

Figure D12.D



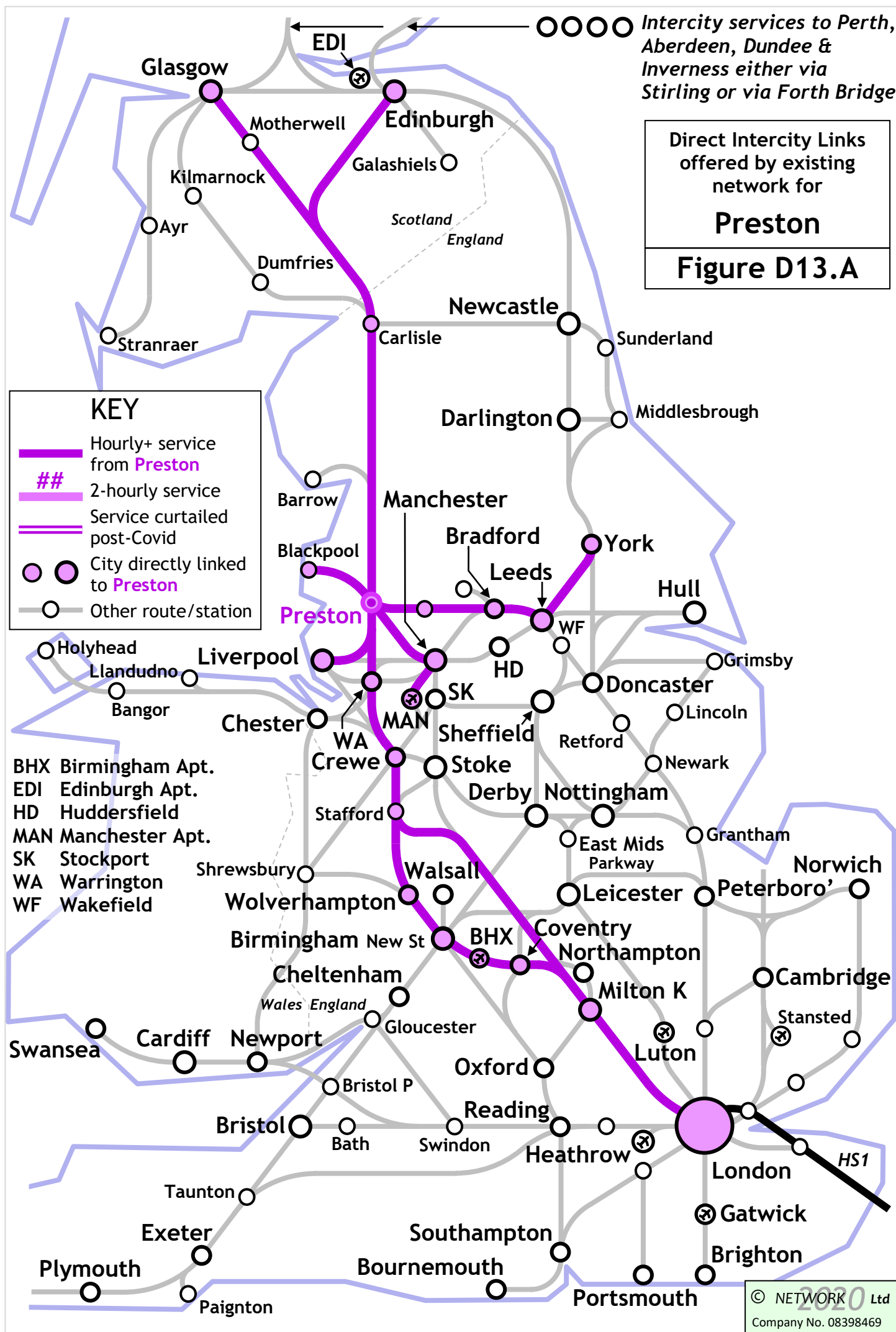
Improved Connectivity &
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Newcastle

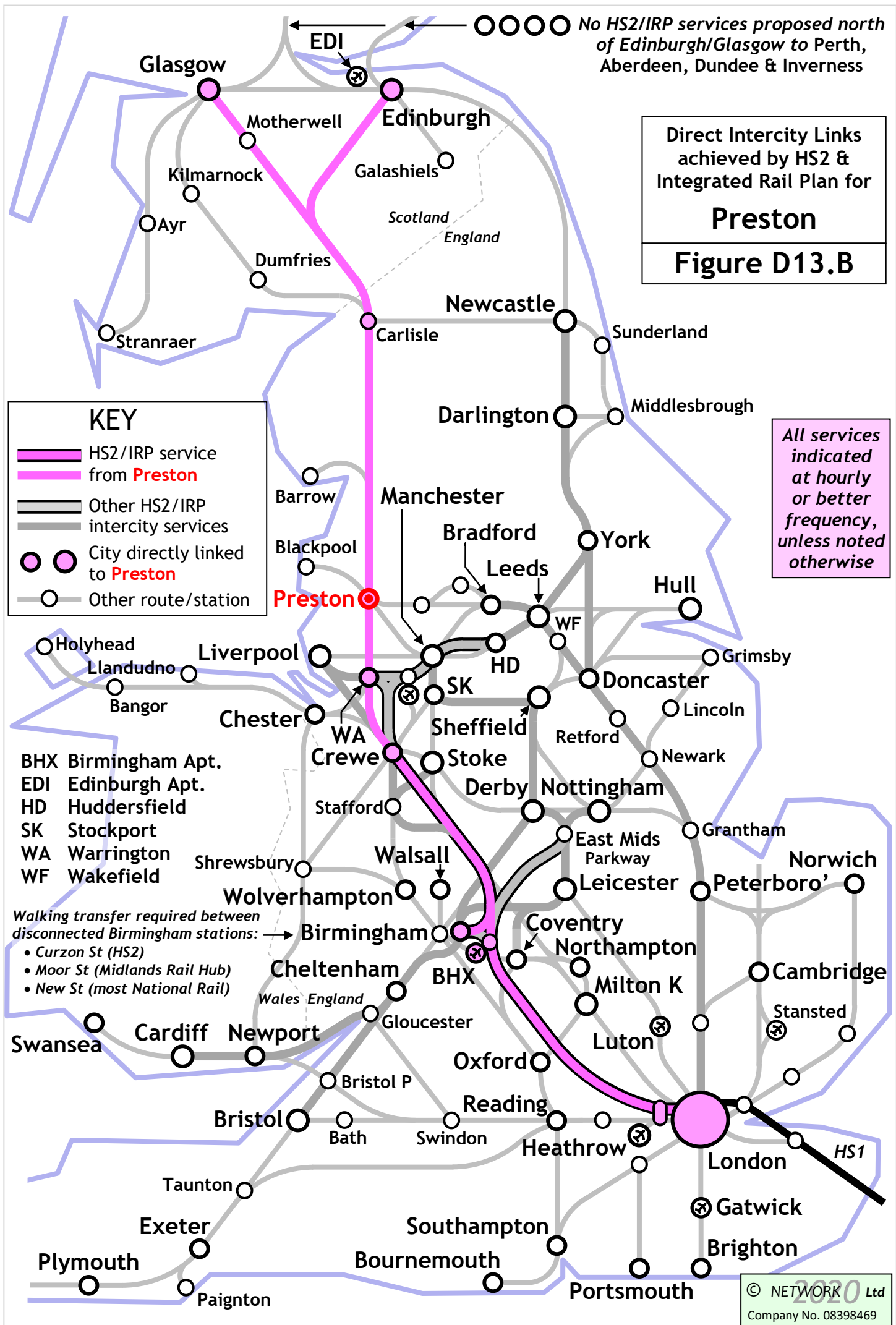
Figure D12.E



D13 : Preston

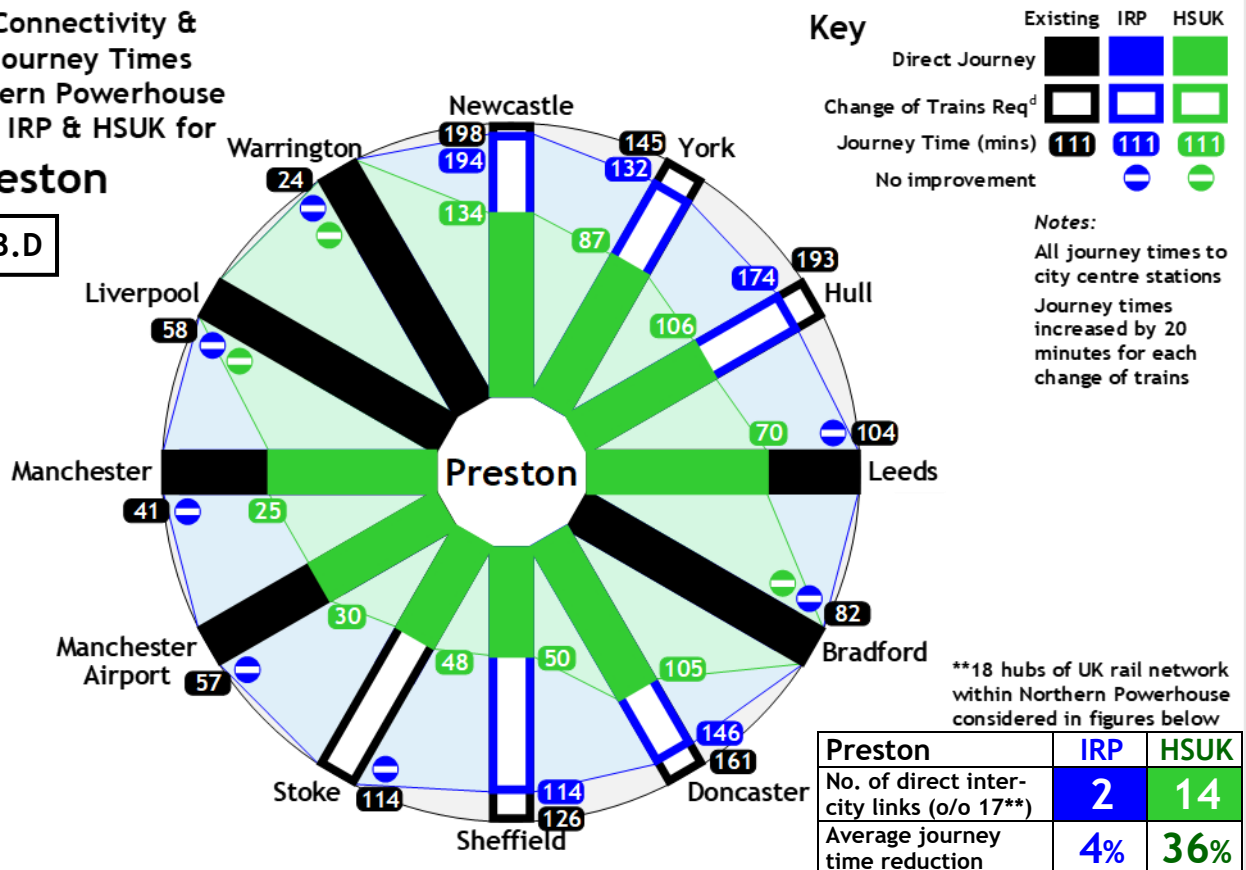
Figure	Title
D13.A	Direct Intercity Links offered by Existing Network for Preston
D13.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Preston
D13.C	Direct Intercity Links achieved by High Speed UK/ Network North for Preston
D13.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Preston
D13.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Preston





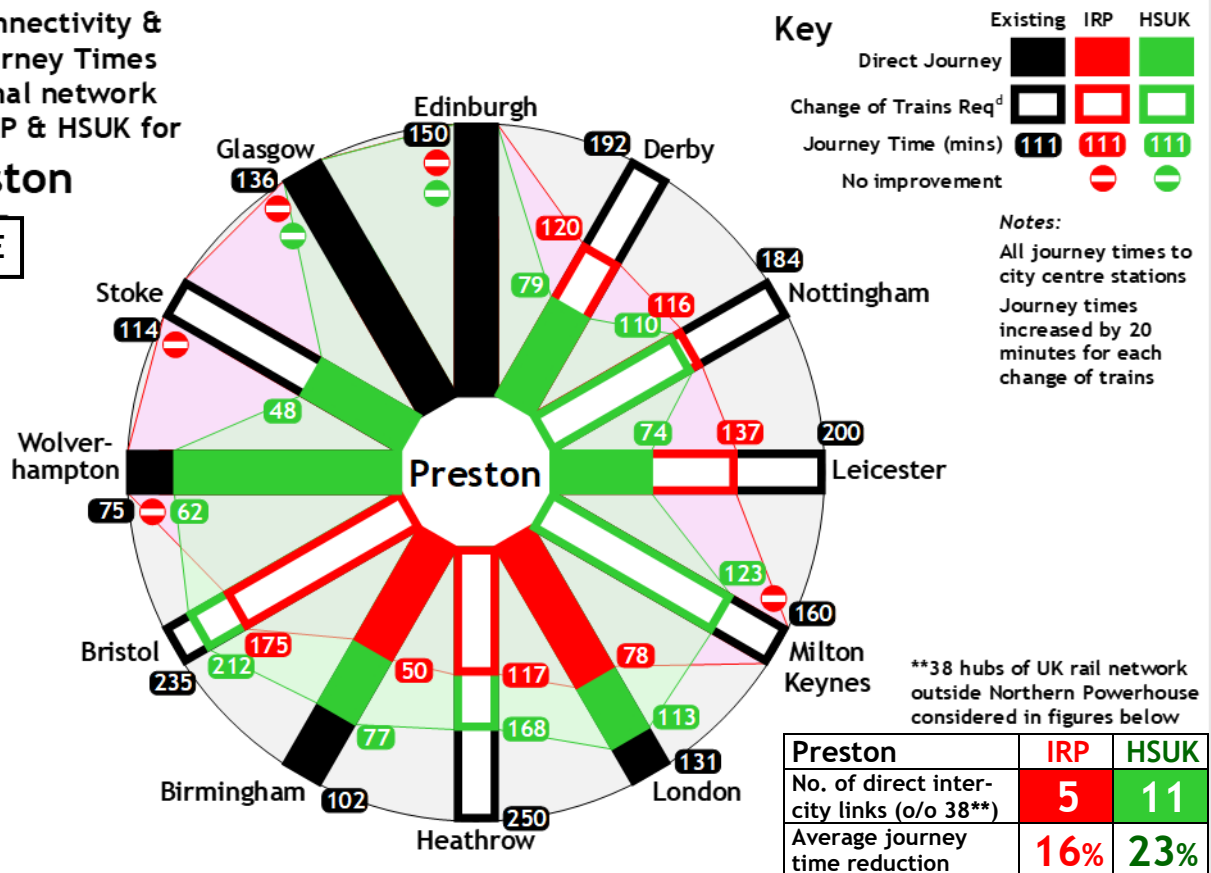
Improved Connectivity &
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Preston

Figure D13.D



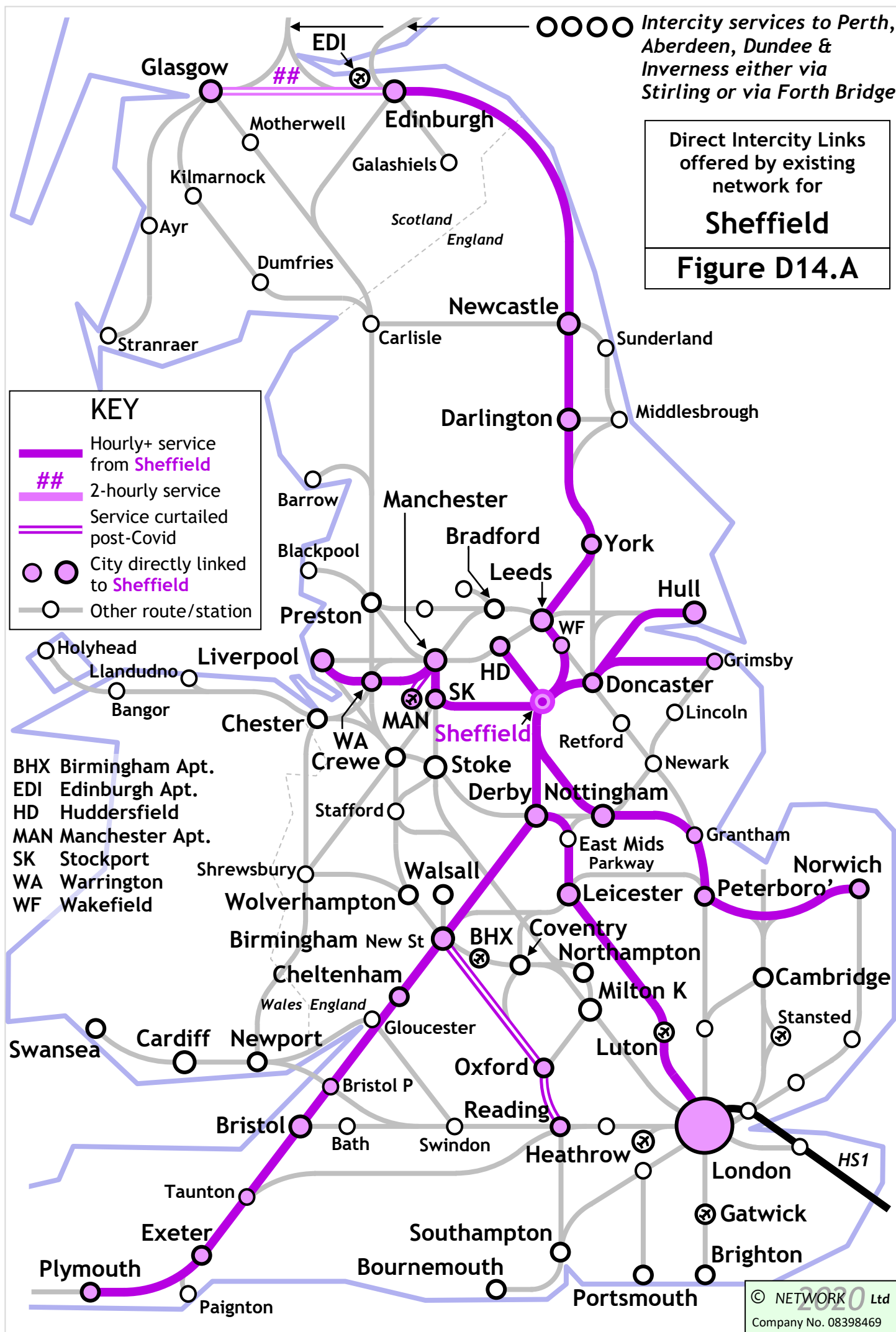
Improved Connectivity &
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Preston

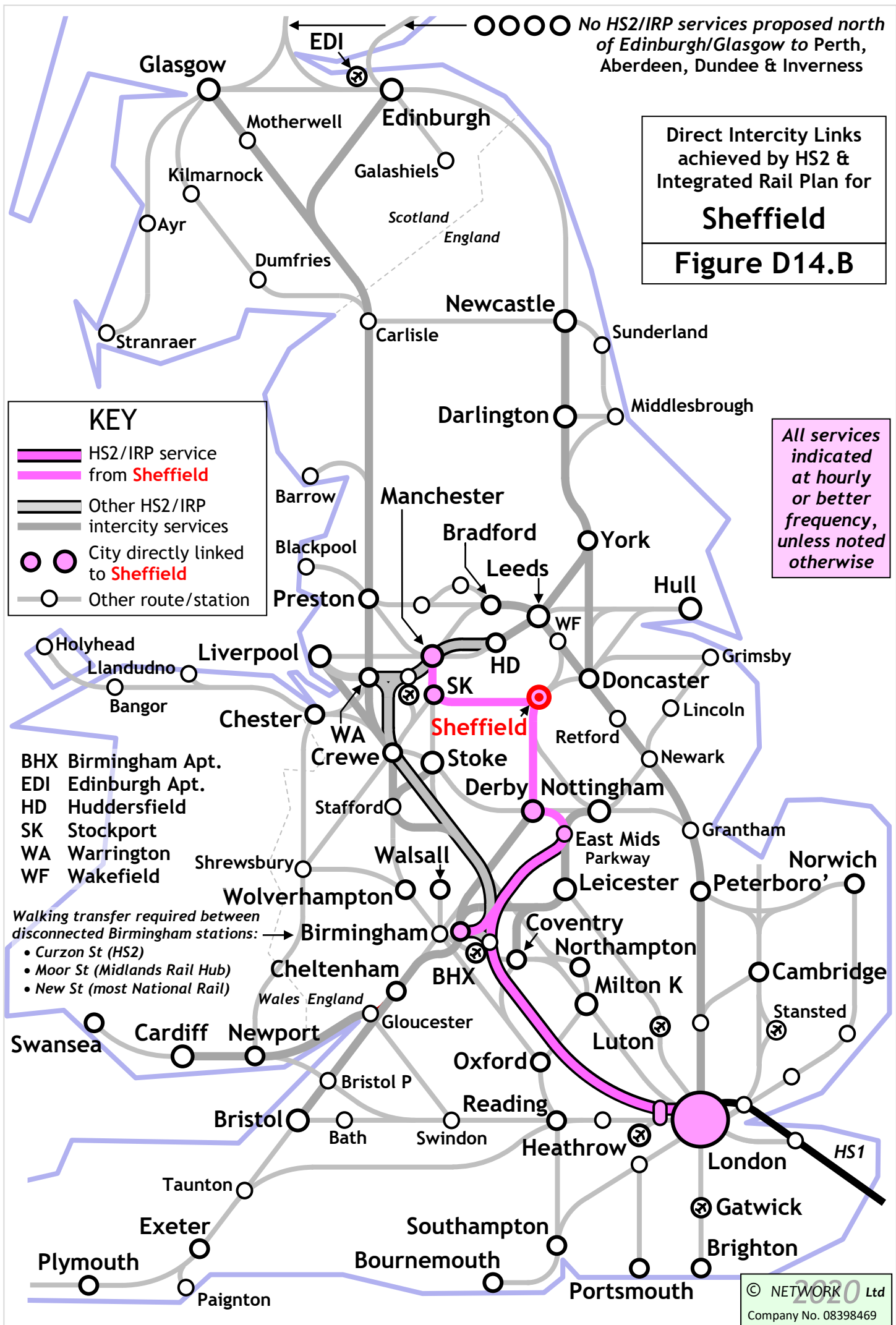
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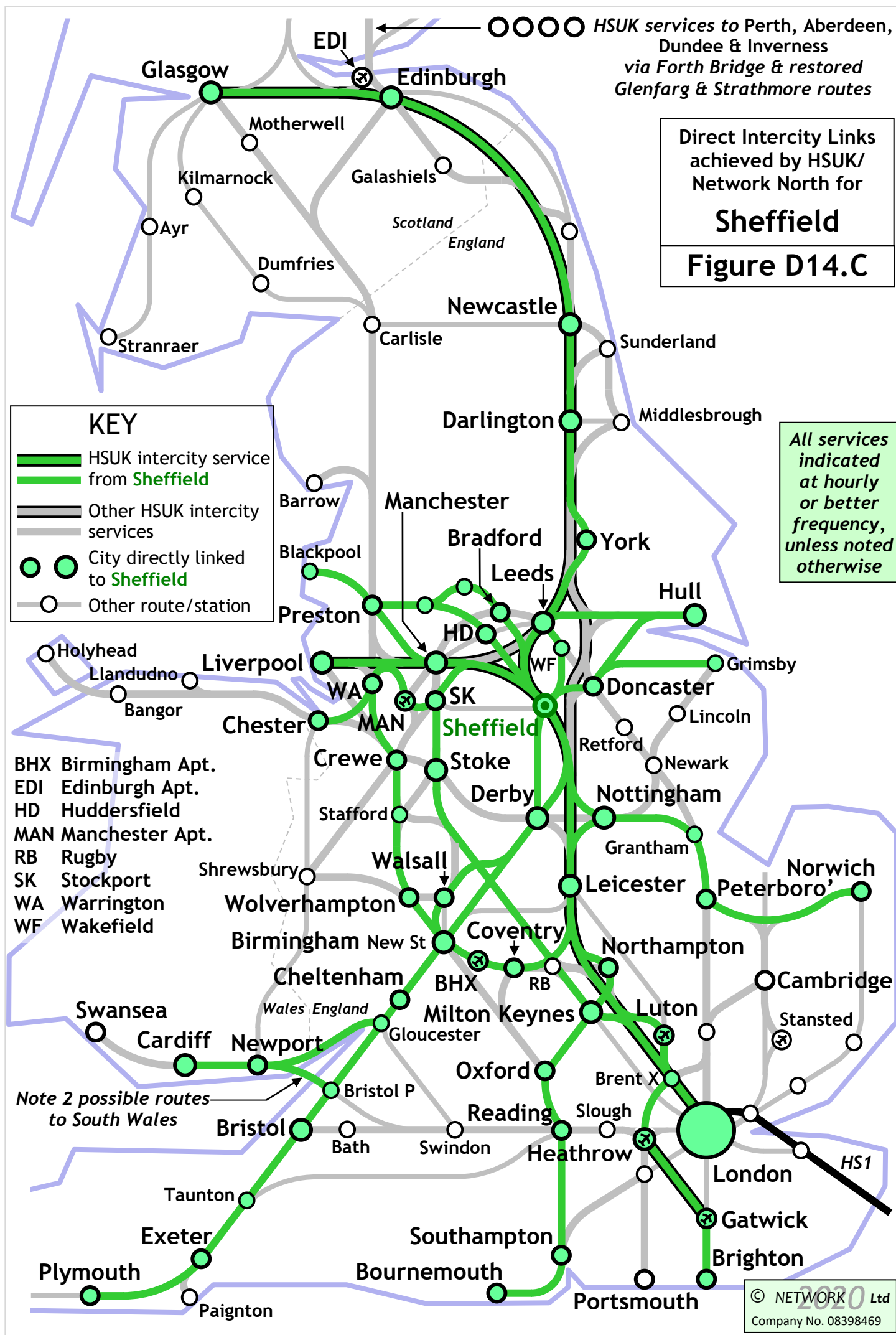


D14 : Sheffield

Figure	Title
D14.A	Direct Intercity Links offered by Existing Network for Sheffield
D14.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Sheffield
D14.C	Direct Intercity Links achieved by High Speed UK/ Network North for Sheffield
D14.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Sheffield
D14.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Sheffield

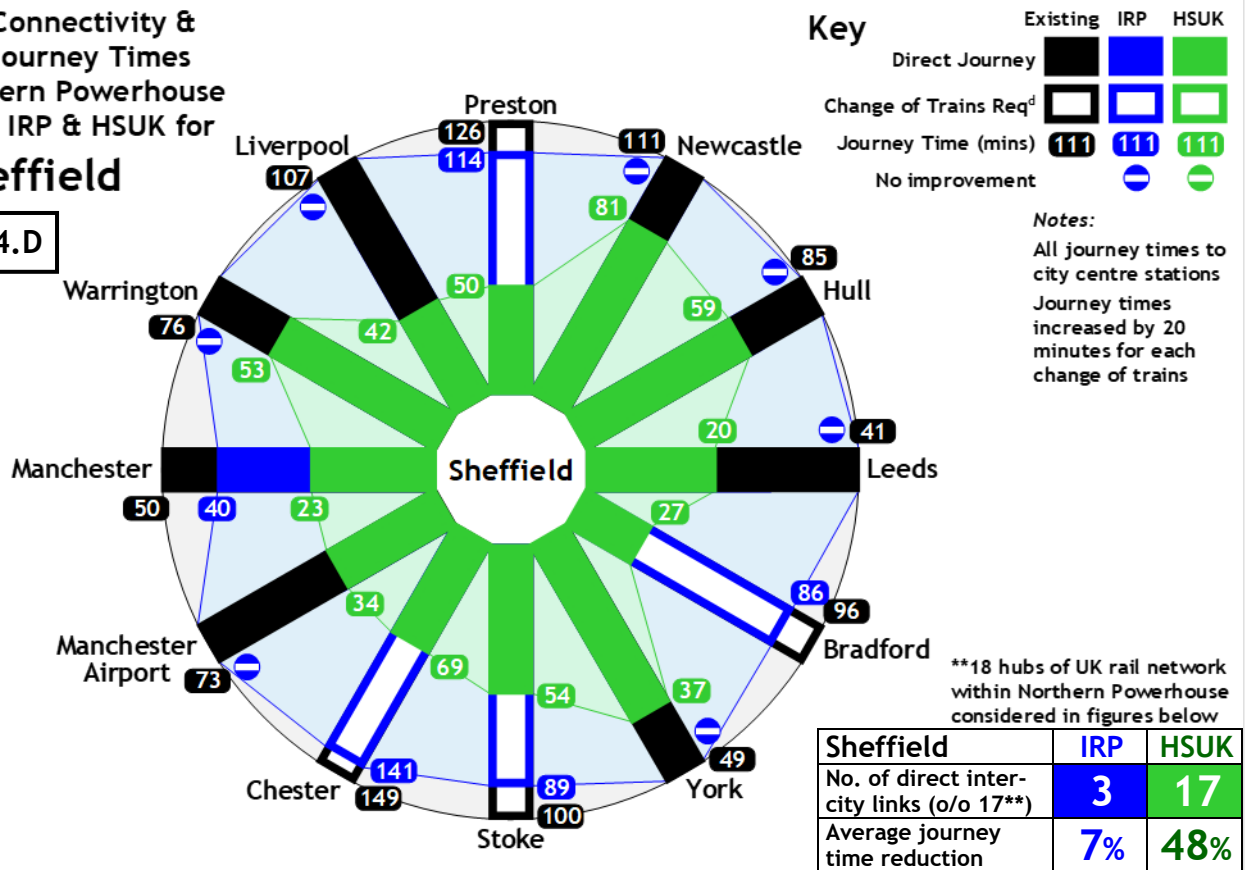






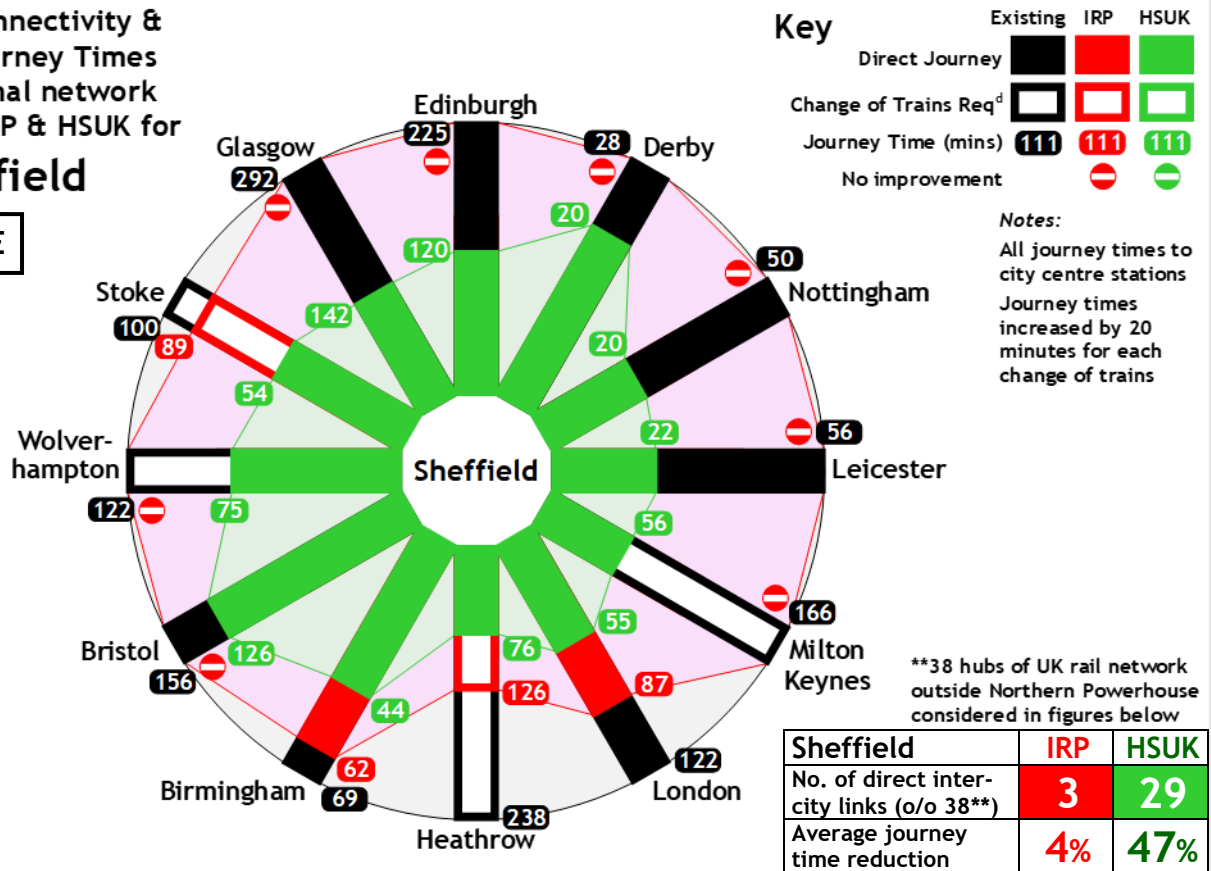
Improved Connectivity &
Reduced Journey Times
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achieved by IRP & HSUK for
Sheffield

Figure D14.D



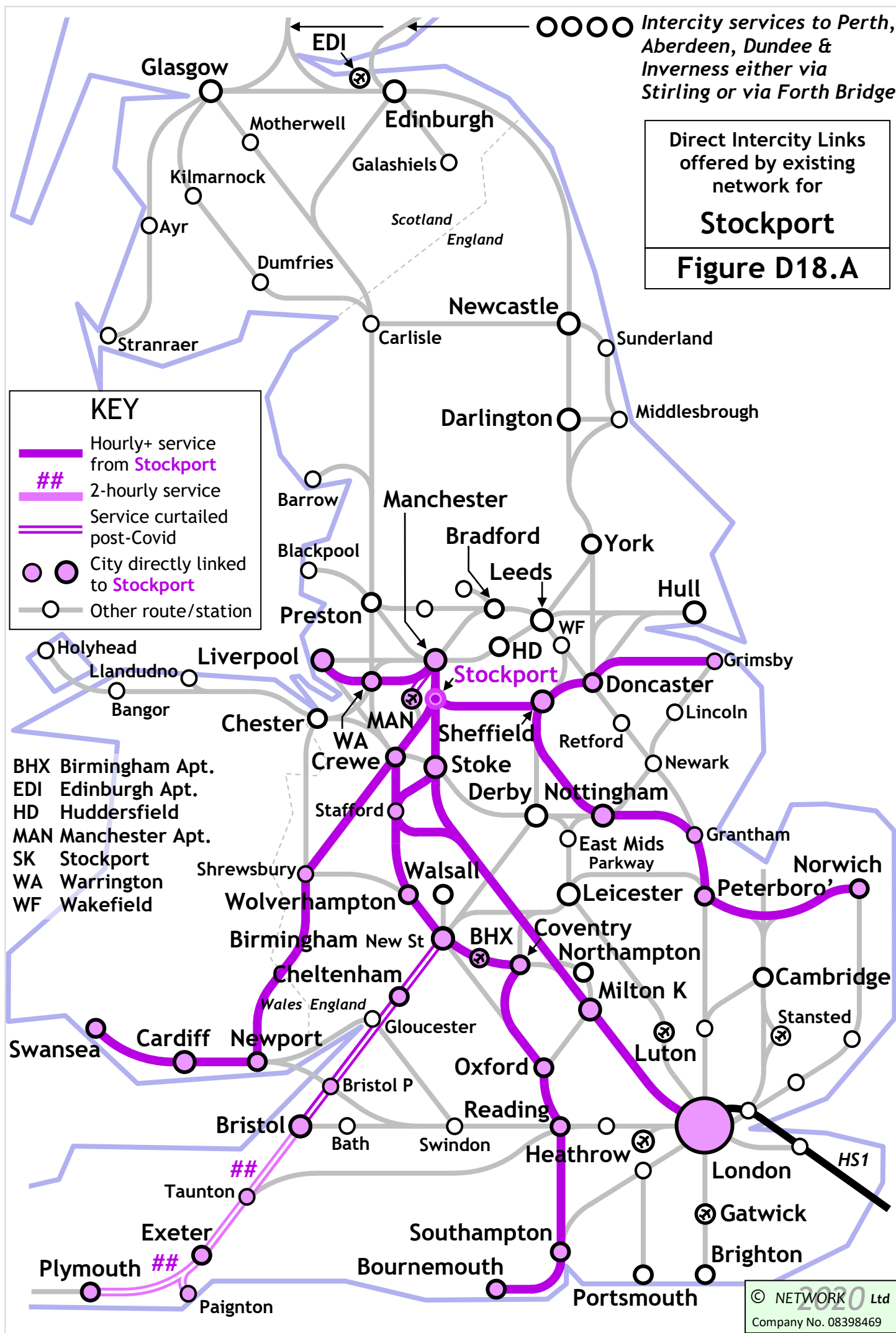
Improved Connectivity &
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Sheffield

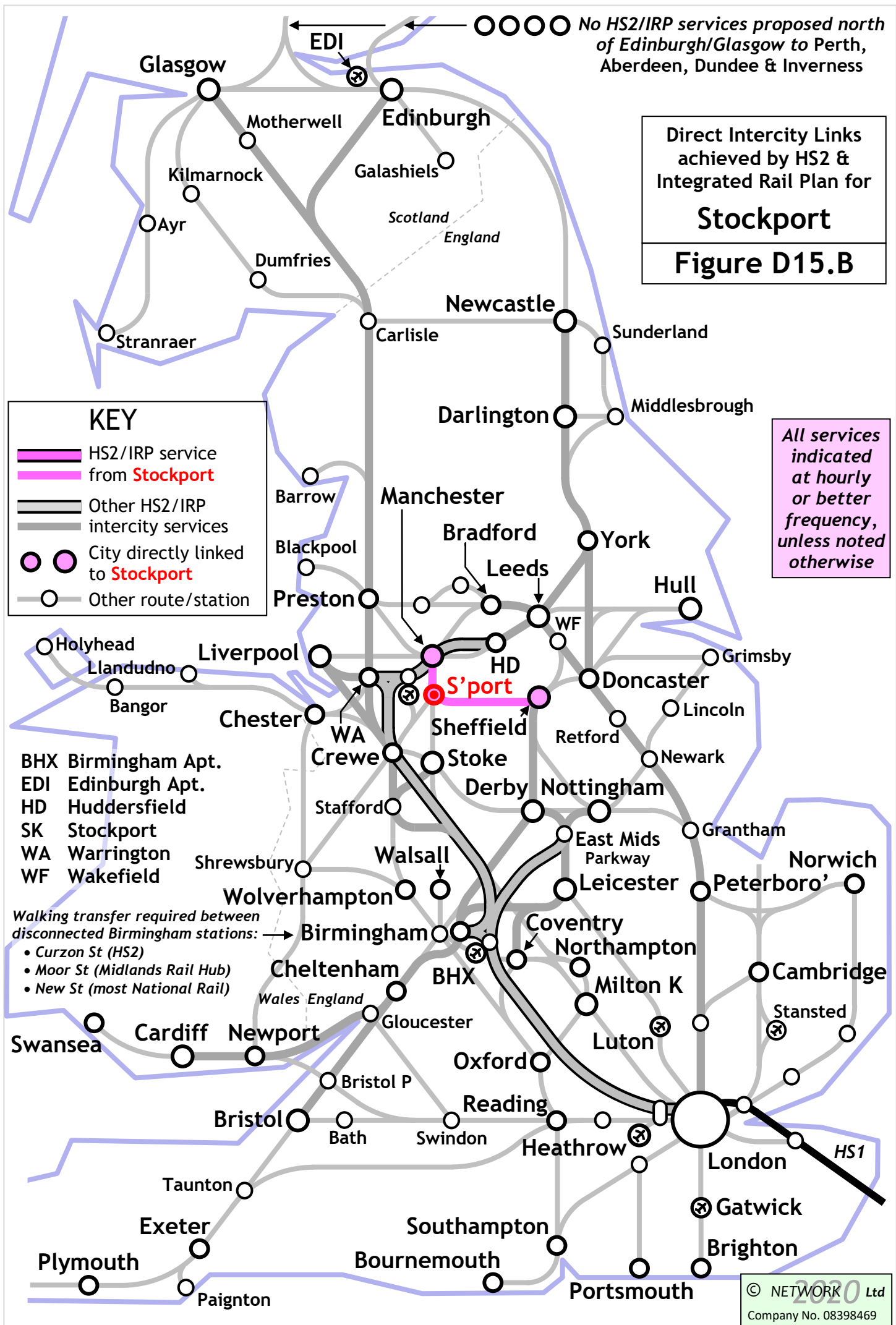
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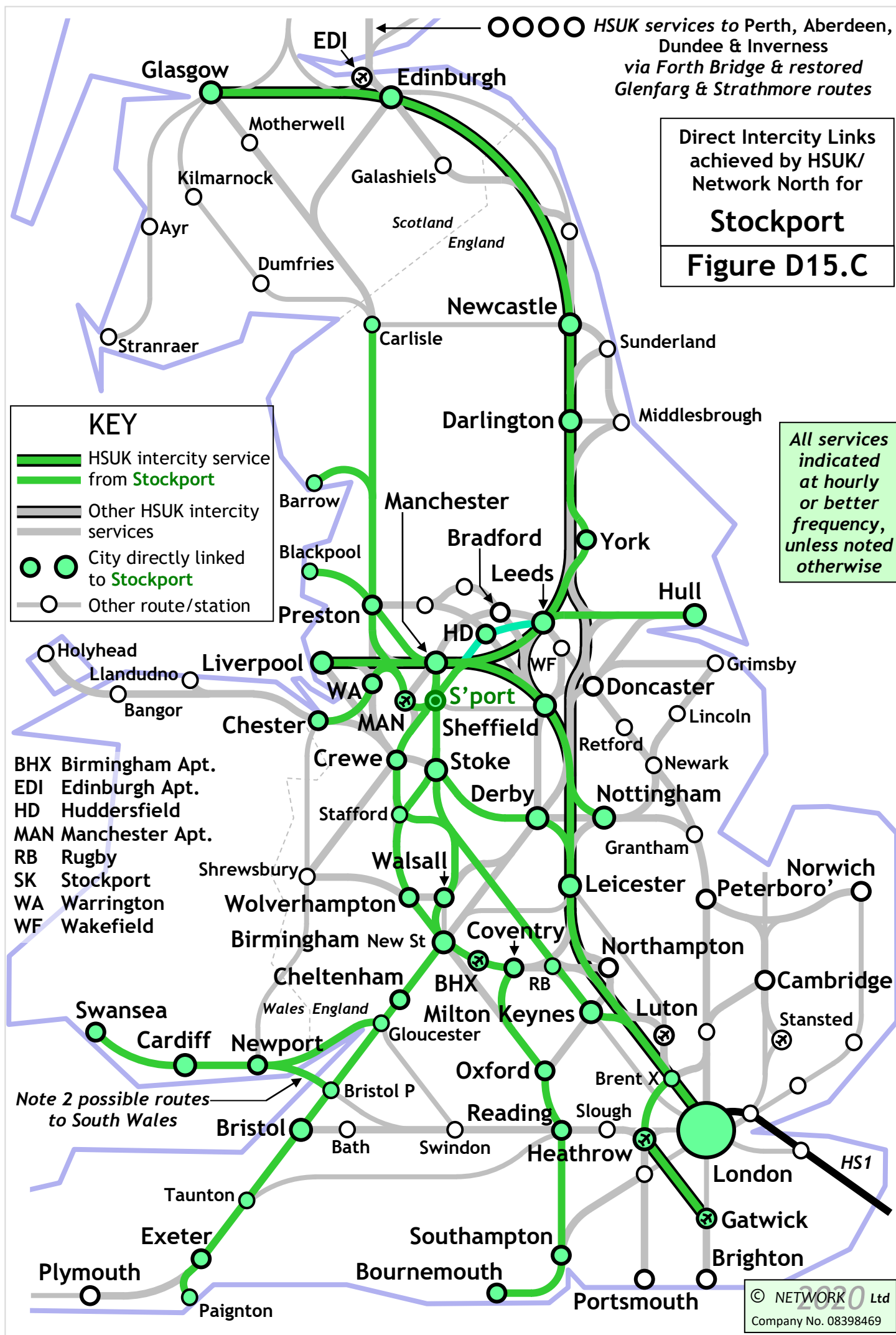


D15 : Stockport

Figure	Title
D15.A	Direct Intercity Links offered by Existing Network for Stockport
D15.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Stockport
D15.C	Direct Intercity Links achieved by High Speed UK/ Network North for Stockport
D15.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Stockport
D15.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Stockport

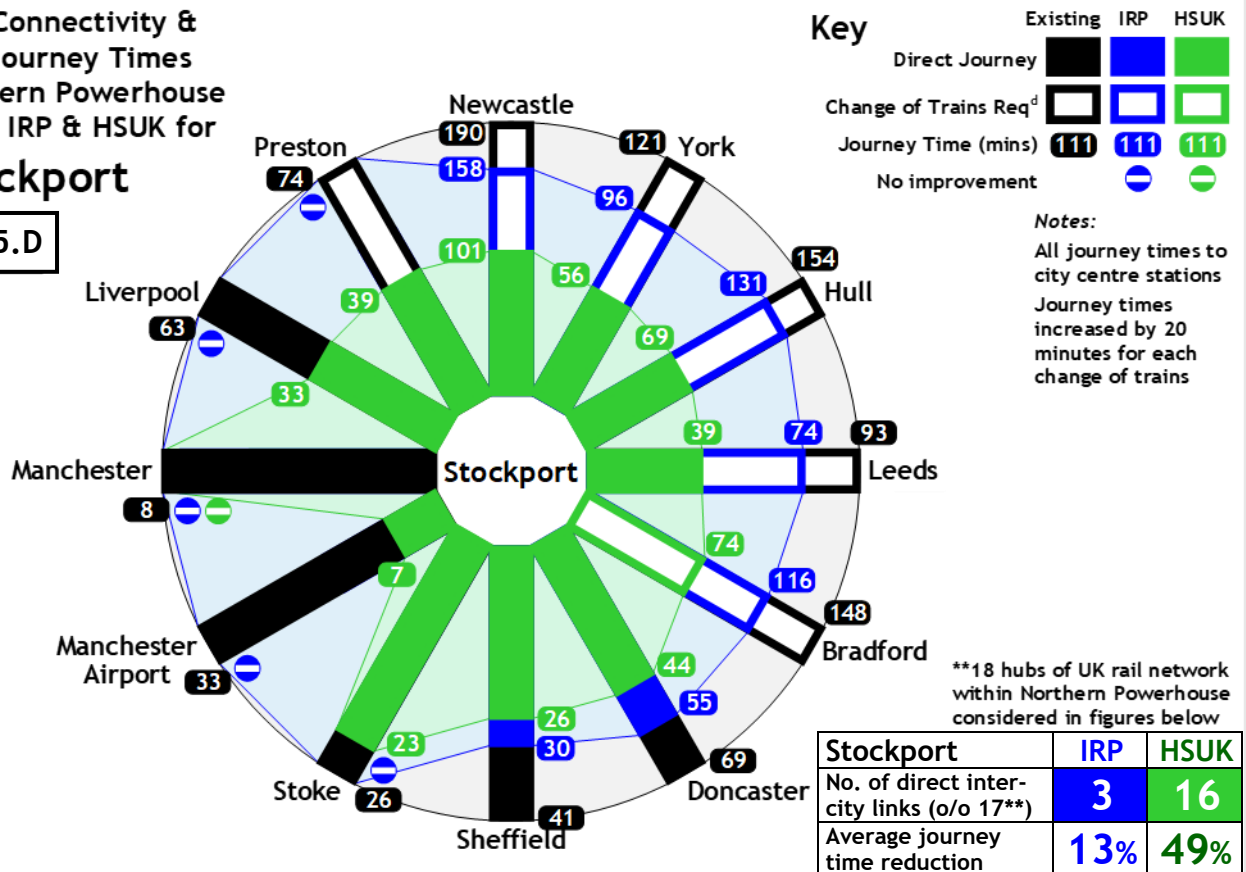






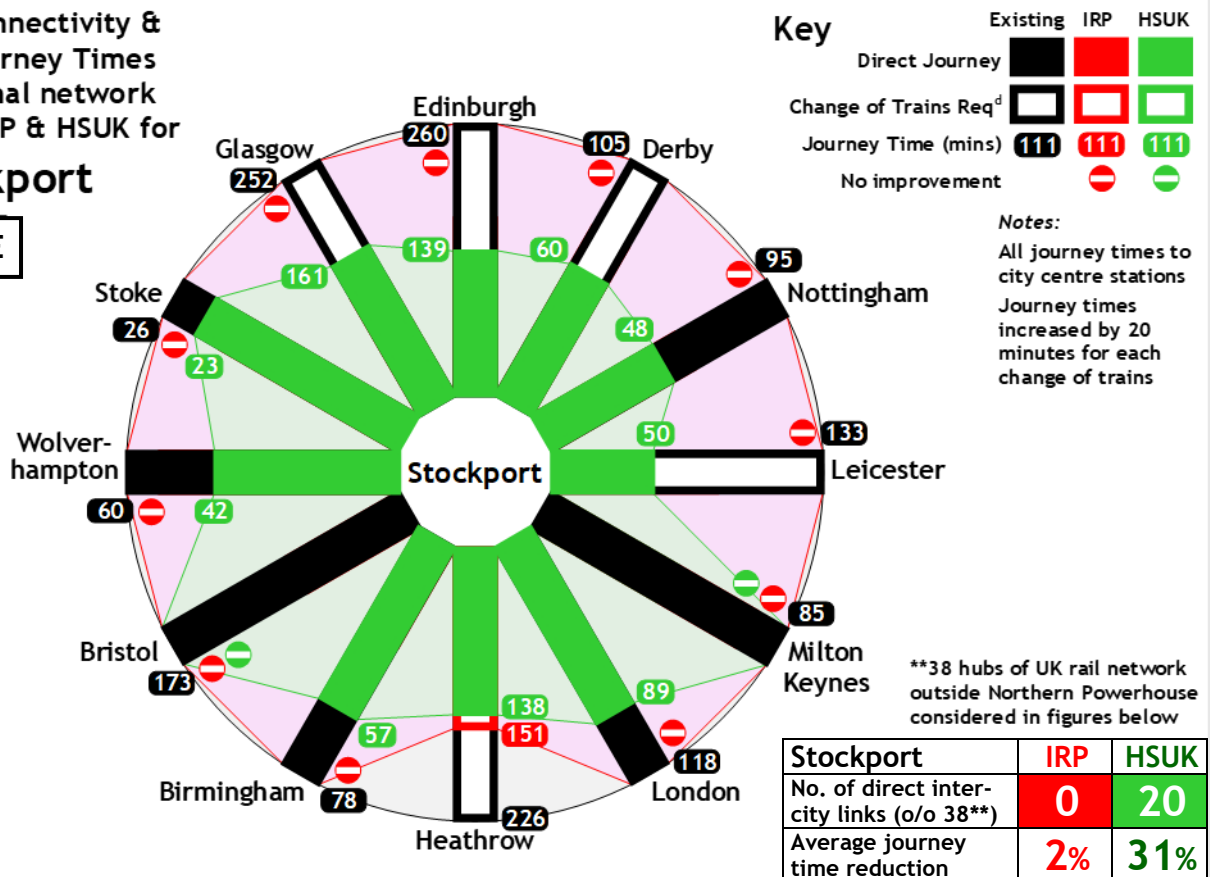
Improved Connectivity &
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achieved by IRP & HSUK for
Stockport

Figure D15.D



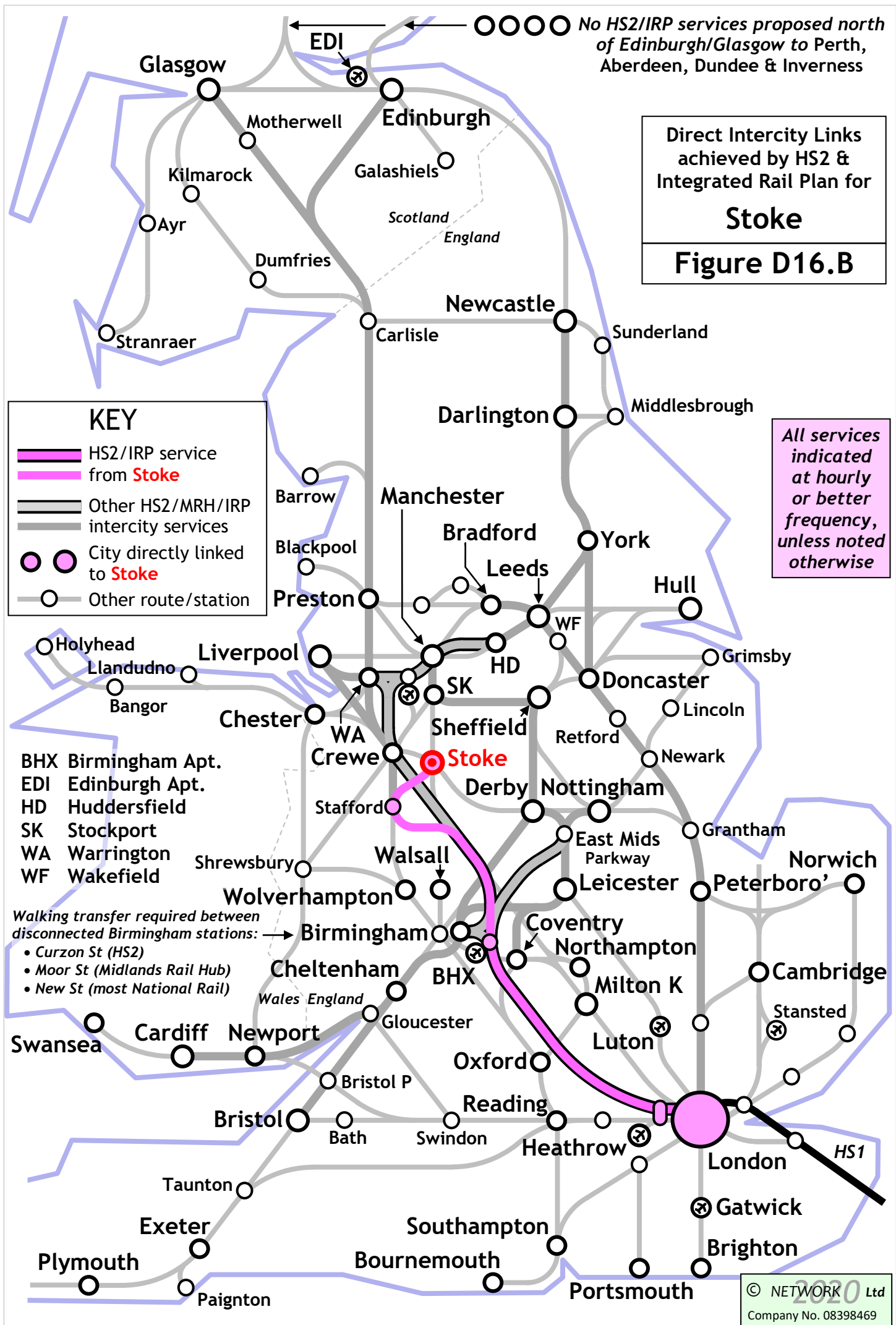
Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for
Stockport

Figure D15.E



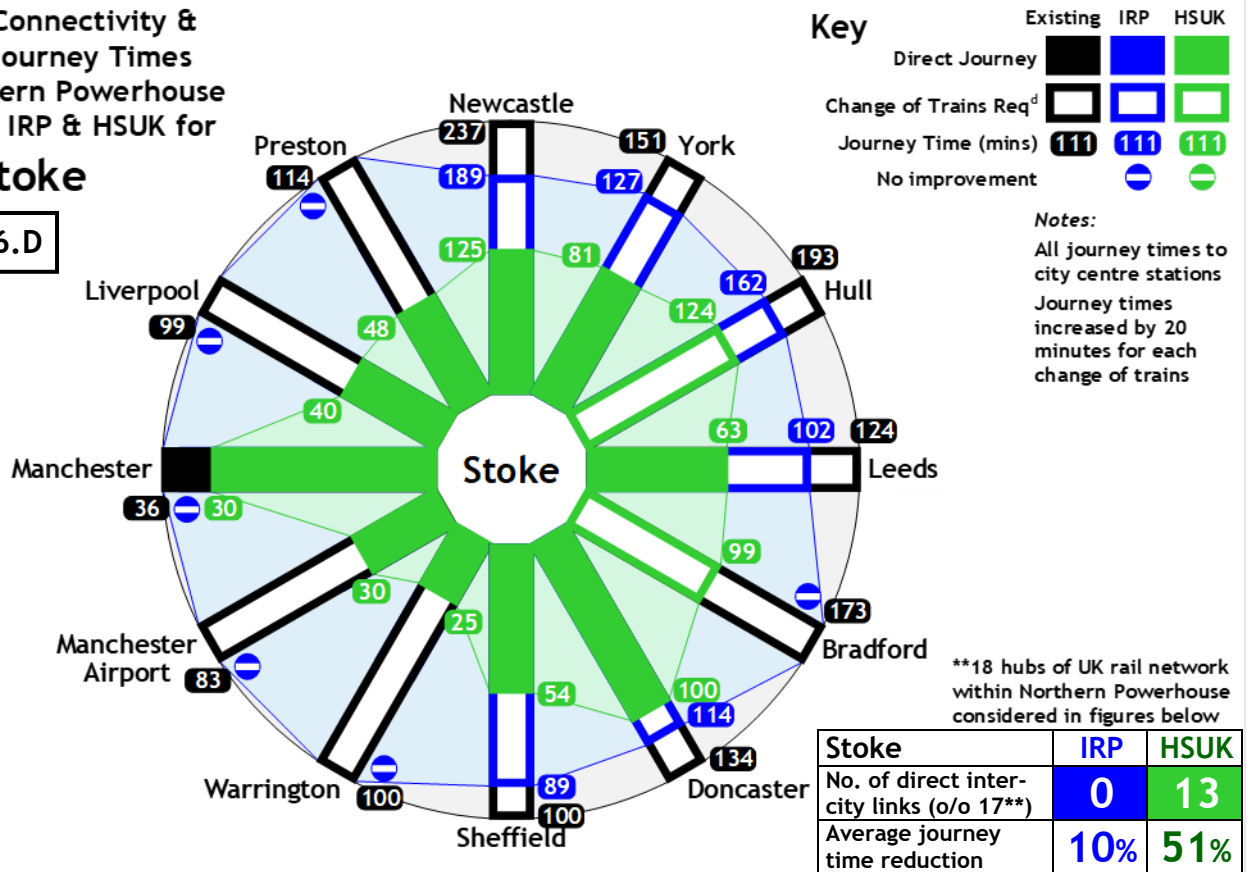
D16 : Stoke

Figure	Title
D16.A	Direct Intercity Links offered by Existing Network for Stoke
D16.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Stoke
D16.C	Direct Intercity Links achieved by High Speed UK/ Network North for Stoke
D16.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Stoke
D16.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Stoke



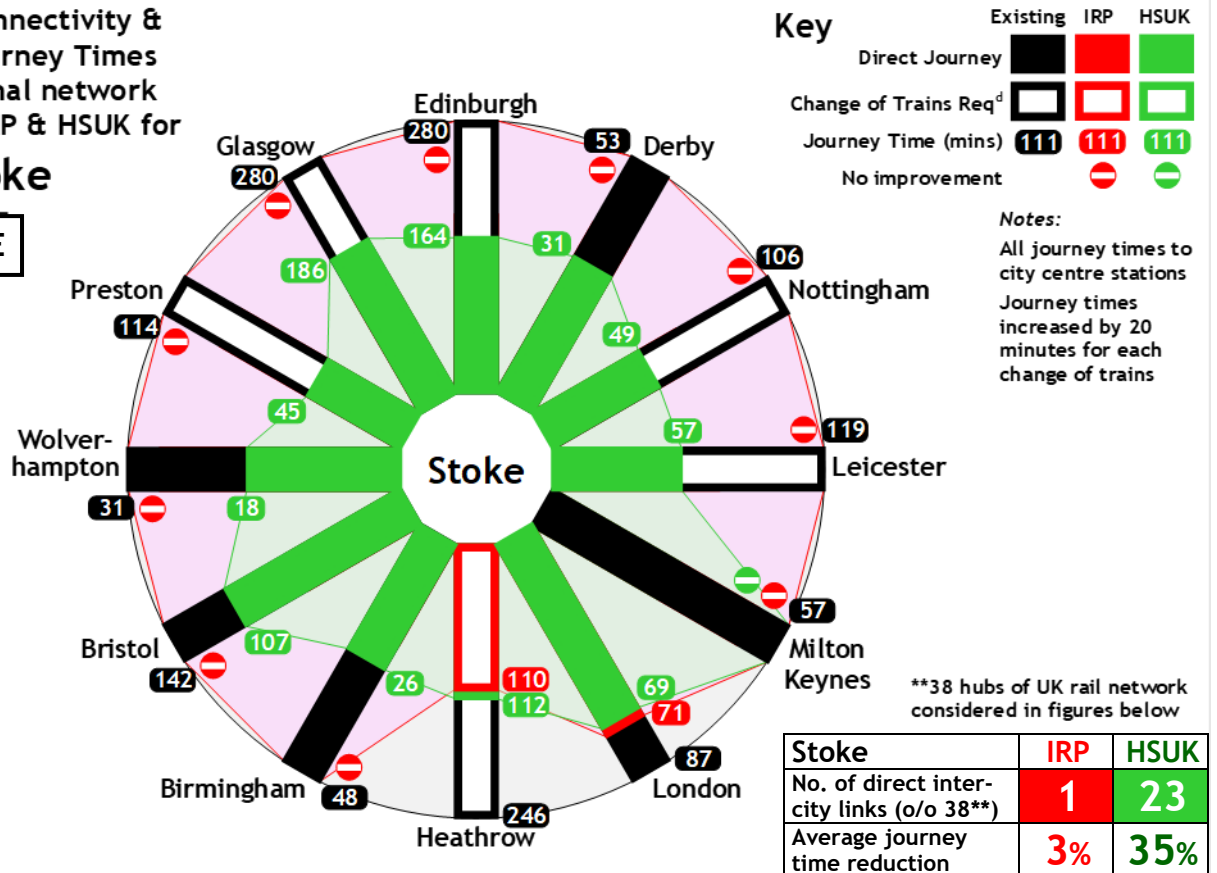
Improved Connectivity &
Reduced Journey Times
within Northern Powerhouse
achieved by IRP & HSUK for
Stoke

Figure D16.D



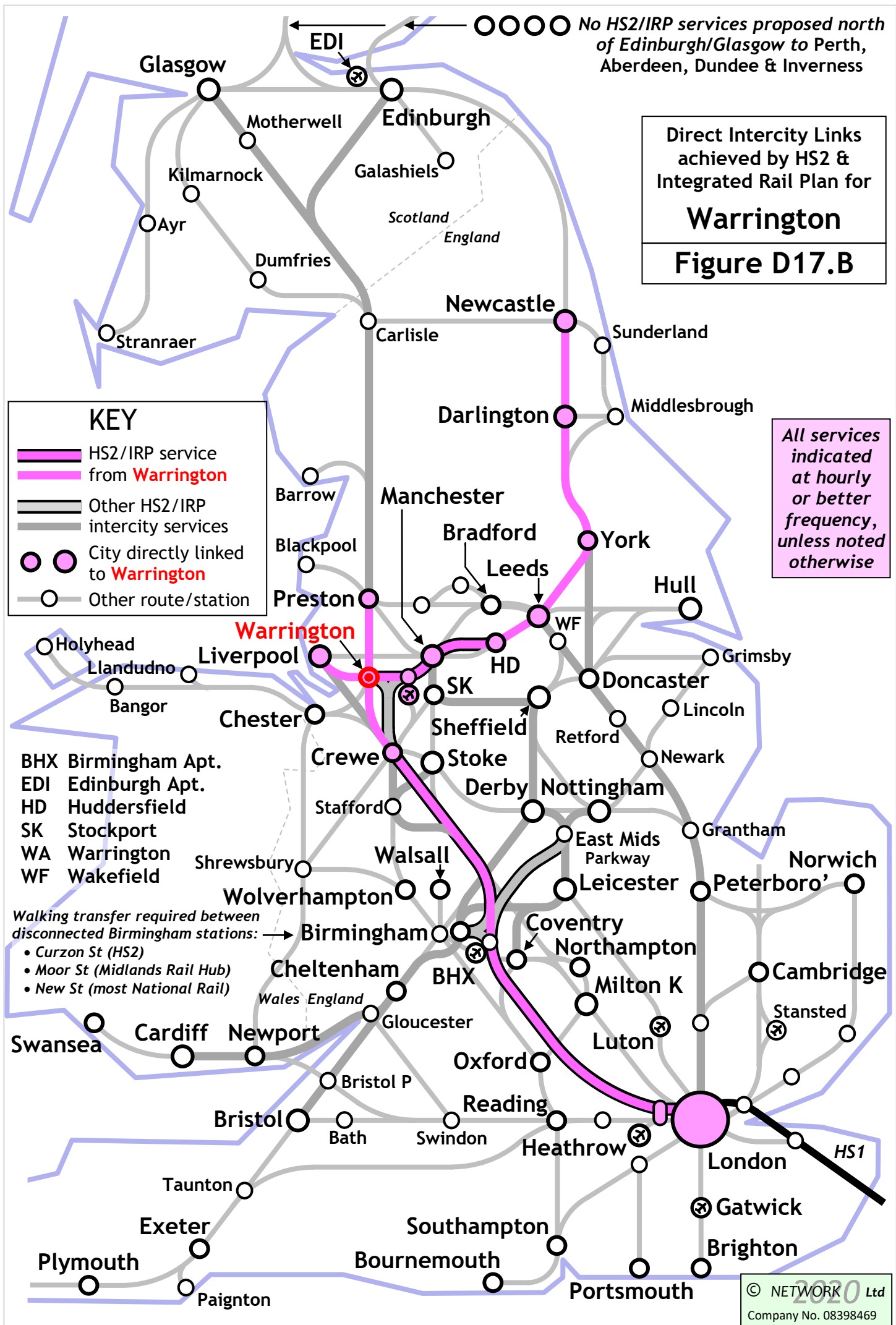
Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for
Stoke

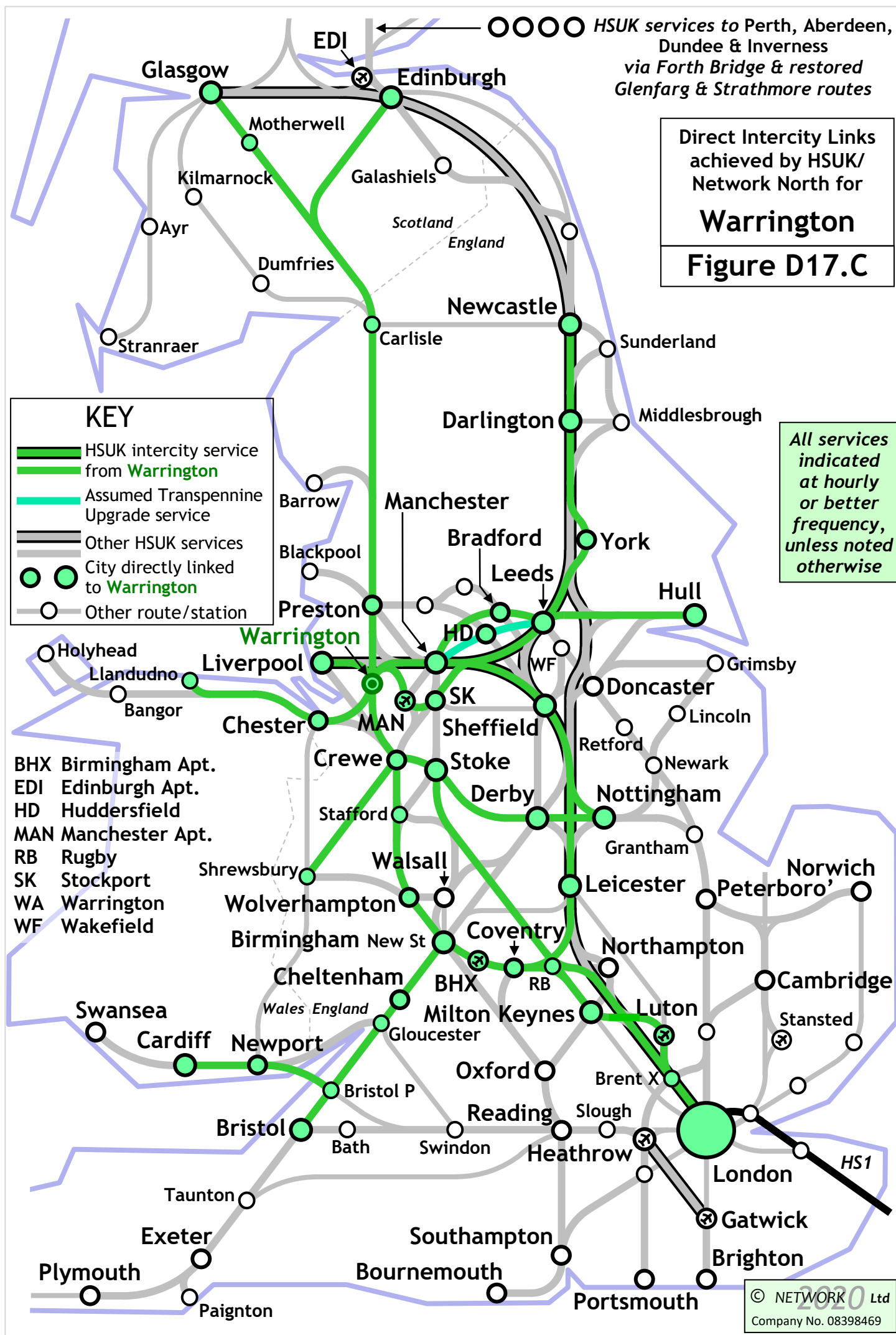
Figure D16.E



D17 : Warrington

Figure	Title
D17.A	Direct Intercity Links offered by Existing Network for Warrington
D17.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for Warrington
D17.C	Direct Intercity Links achieved by High Speed UK/ Network North for Warrington
D17.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for Warrington
D17.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for Warrington

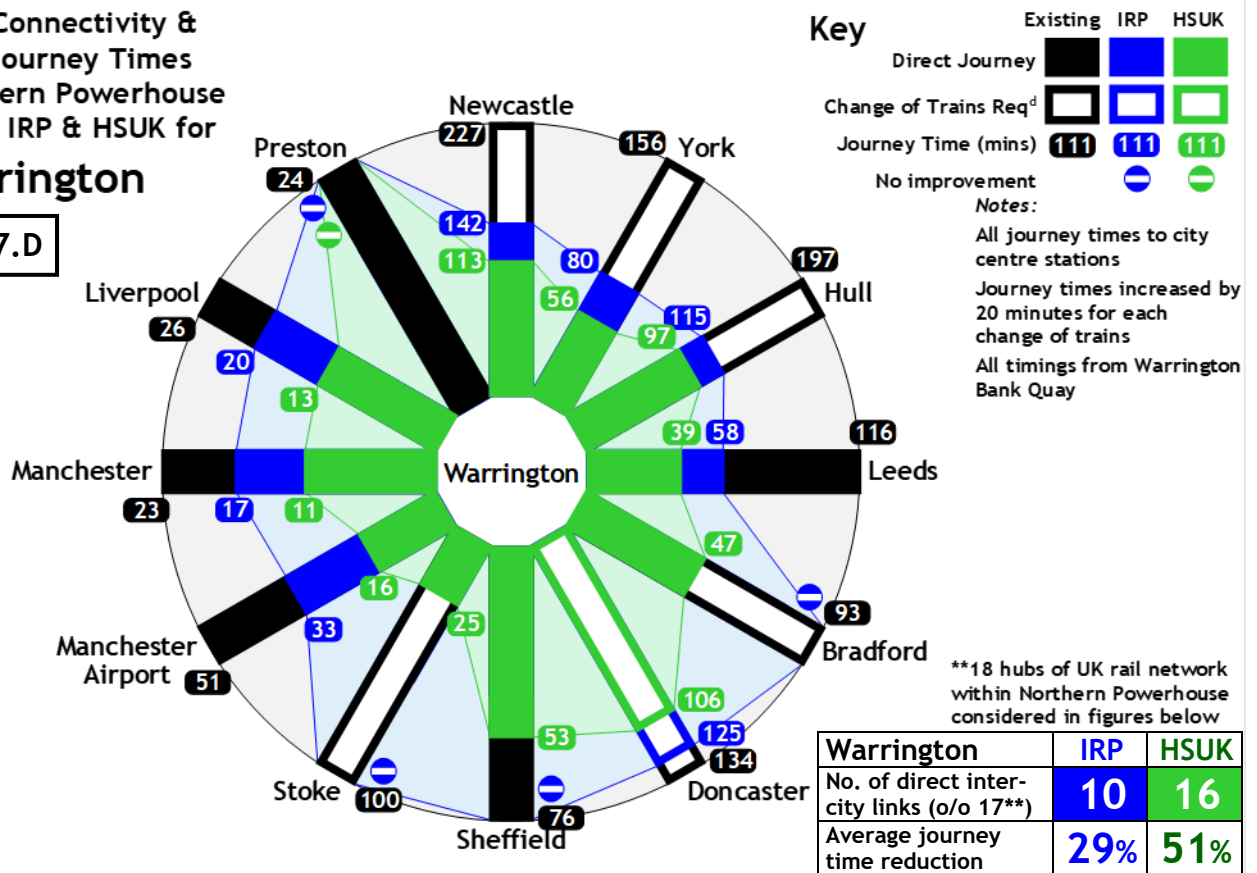




Improved Connectivity &
Reduced Journey Times
within Northern Powerhouse
achieved by IRP & HSUK for

Warrington

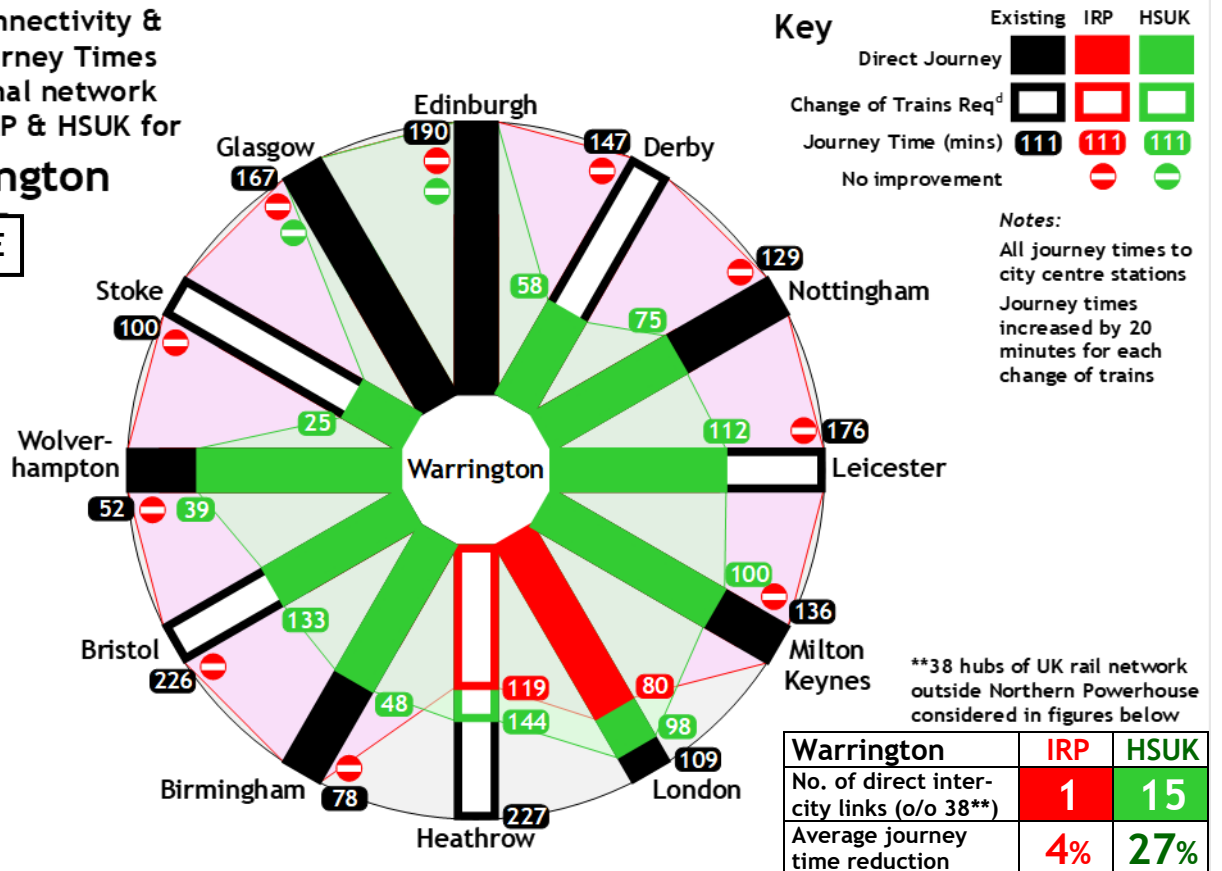
Figure D17.D



Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for

Warrington

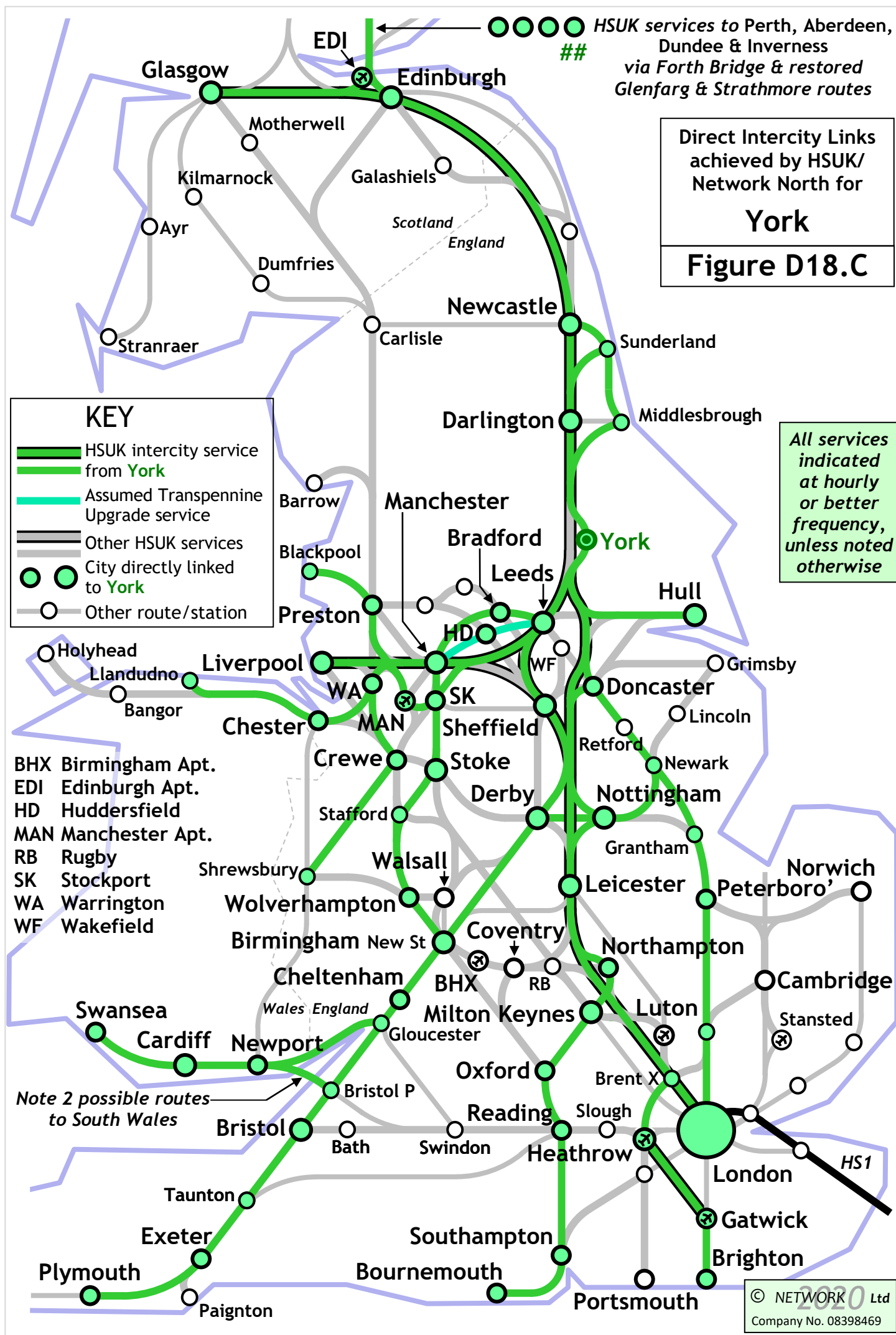
Figure D17.E



D18 : York

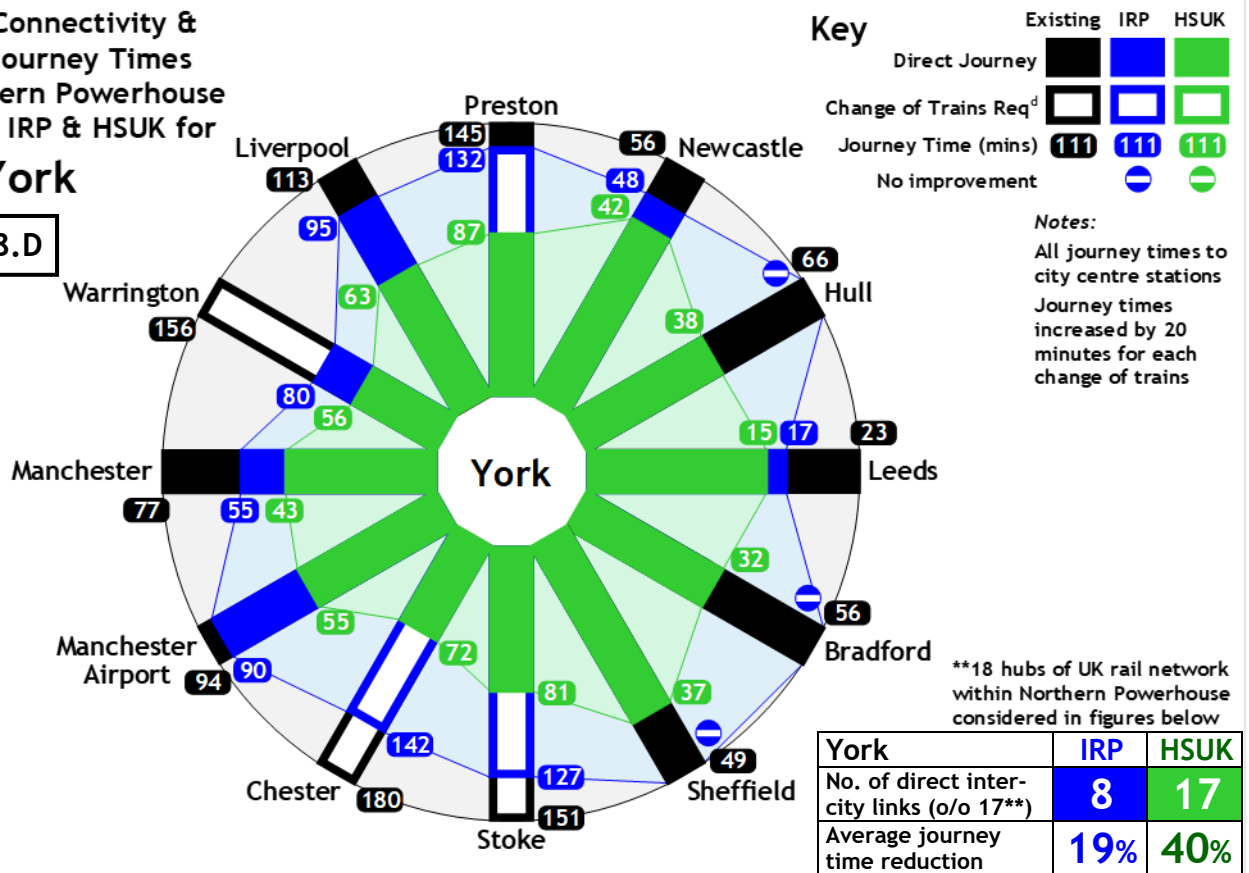
Figure	Title
D18.A	Direct Intercity Links offered by Existing Network for York
D18.B	Direct Intercity Links achieved by HS2 & Integrated Rail Plan for York
D18.C	Direct Intercity Links achieved by High Speed UK/ Network North for York
D18.D	Improved Connectivity & Reduced Journey Times within Northern Powerhouse achieved by Integrated Rail Plan & High Speed UK for York
D18.E	Improved Connectivity & Reduced Journey Times across National Network achieved by Integrated Rail Plan & High Speed UK for York





Improved Connectivity &
Reduced Journey Times
within Northern Powerhouse
achieved by IRP & HSUK for
York

Figure D18.D



Improved Connectivity &
Reduced Journey Times
across national network
achieved by IRP & HSUK for
York

Figure D18.E

