

# HIGH SPEED UK : K03

## Diagrams illustrating Potential Direct Links by HSUK/Network North from Major Northern Communities

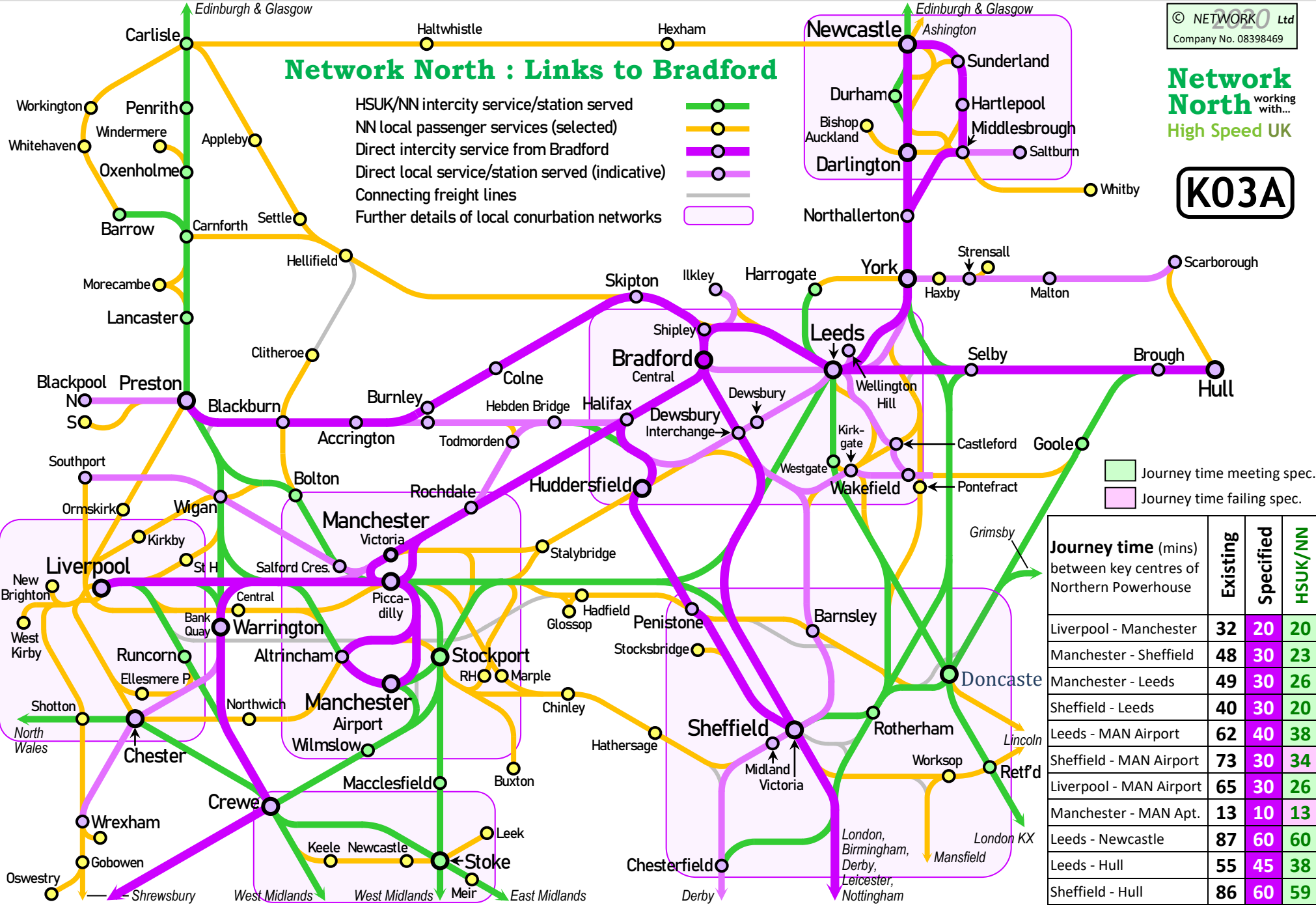
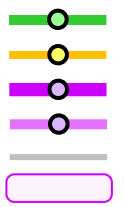
- K03A Direct intercity/local links from Bradford
- K03B Direct intercity/local links from Chester
- K03C Direct intercity/local links from Crewe
- K03D Direct intercity/local links from Darlington
- K03E Direct intercity/local links from Doncaster
- K03F Direct intercity/local links from Huddersfield
- K03G Direct intercity/local links from Hull
- K03H Direct intercity/local links from Leeds
- K03I Direct intercity/local links from Liverpool
- K03J Direct intercity/local links from Manchester
- K03K Direct intercity/local links from MAN Airport
- K03L Direct intercity/local links from Newcastle
- K03M Direct intercity/local links from Preston
- K03N Direct intercity/local links from Sheffield
- K03O Direct intercity/local links from Stockport
- K03P Direct intercity/local links from Stoke
- K03Q Direct intercity/local links from Warrington
- K03R Direct intercity/local links from York
- K03S Direct intercity/local links from Sunderland
- K03T Direct intercity/local links from Middlesbrough

May 2024 Update

**K03A**

## Network North : Links to Bradford

HSUK/NN intercity service/station served  
 NN local passenger services (selected)  
 Direct intercity service from Bradford  
 Direct local service/station served (indicative)  
 Connecting freight lines  
 Further details of local conurbation networks

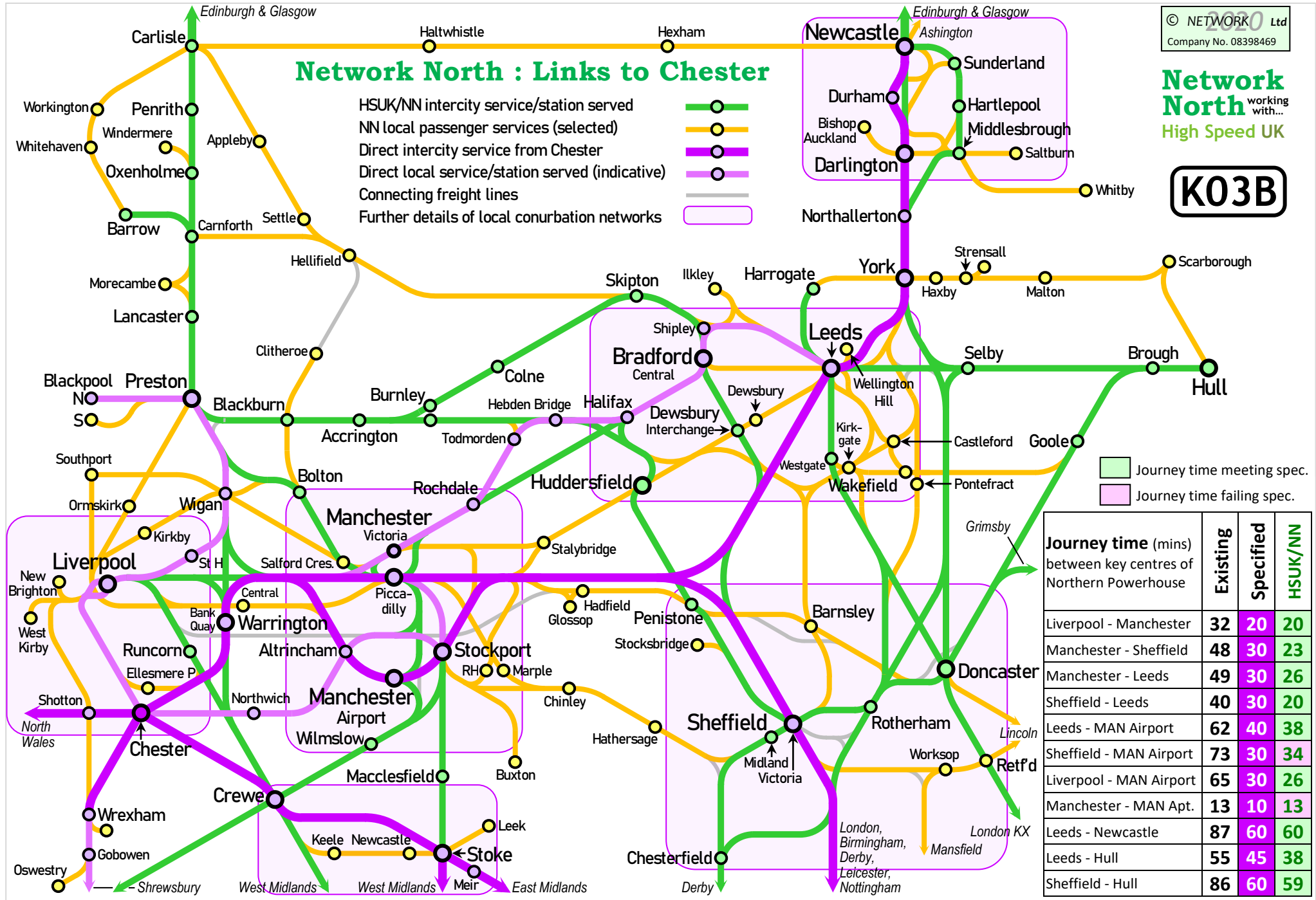
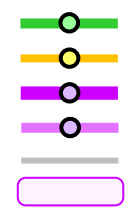


Green box: Journey time meeting spec.  
 Pink box: Journey time failing spec.

Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
Liverpool - Manchester	32	20	20
Manchester - Sheffield	48	30	23
Manchester - Leeds	49	30	26
Sheffield - Leeds	40	30	20
Leeds - MAN Airport	62	40	38
Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59

## Network North : Links to Chester

HSUK/NN intercity service/station served  
 NN local passenger services (selected)  
 Direct intercity service from Chester  
 Direct local service/station served (indicative)  
 Connecting freight lines  
 Further details of local conurbation networks



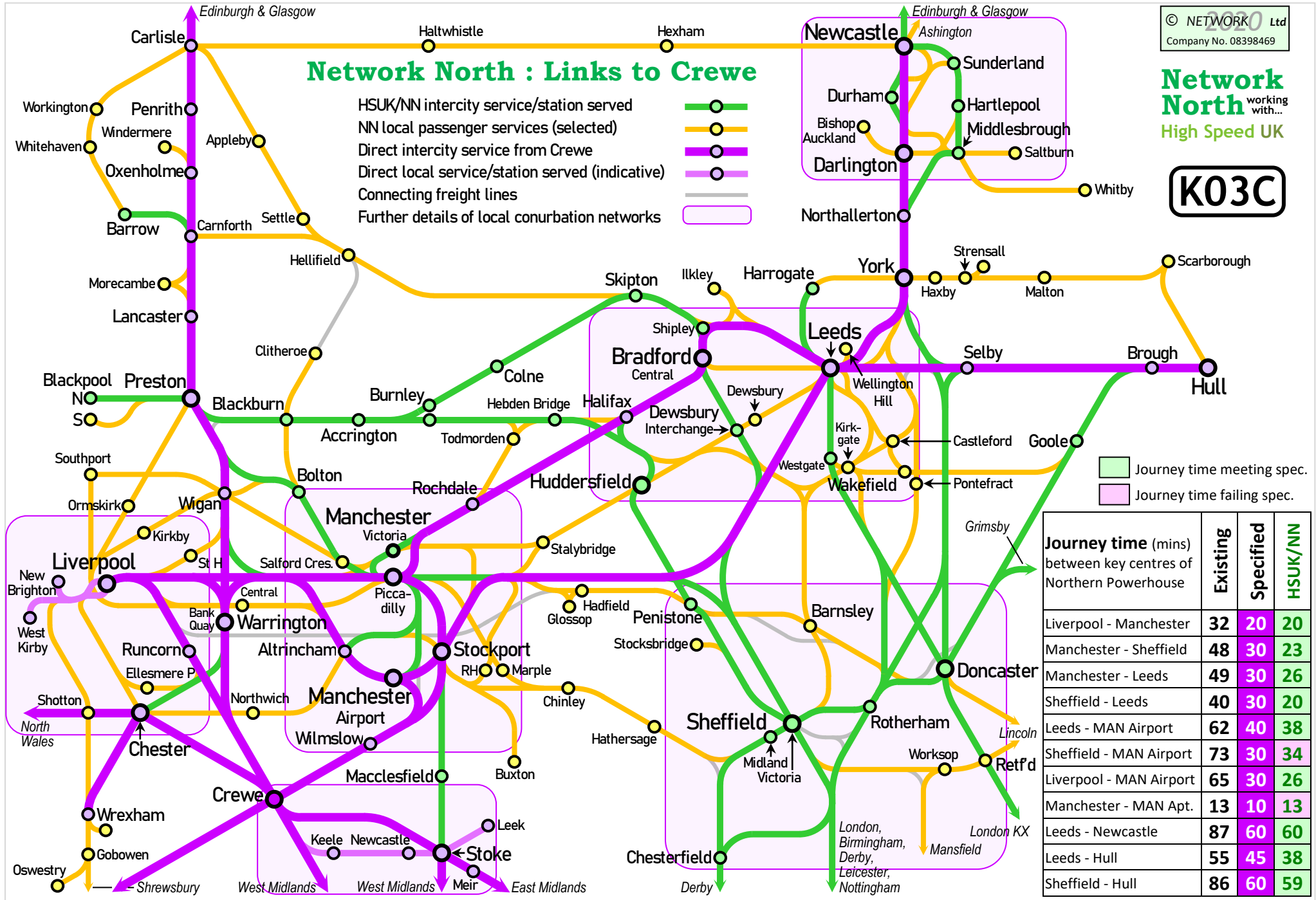
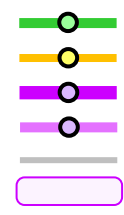
Green box: Journey time meeting spec.  
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Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
Liverpool - Manchester	32	20	20
Manchester - Sheffield	48	30	23
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Sheffield - Leeds	40	30	20
Leeds - MAN Airport	62	40	38
Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59



## Network North : Links to Crewe

- HSUK/NN intercity service/station served
- NN local passenger services (selected)
- Direct intercity service from Crewe
- Direct local service/station served (indicative)
- Connecting freight lines
- Further details of local conurbation networks



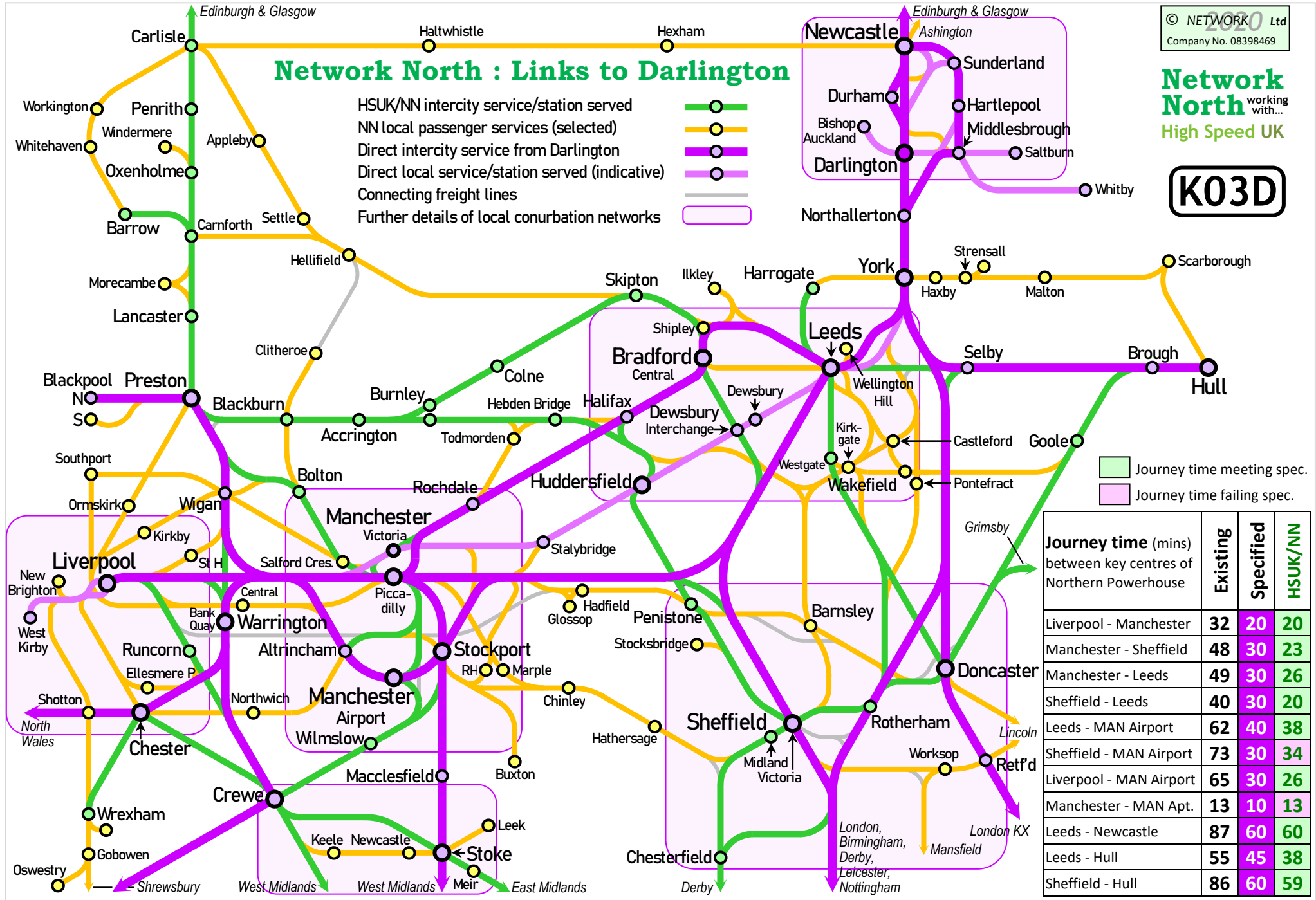
Journey time meeting spec.  
 Journey time failing spec.

Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
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Manchester - Leeds	49	30	26
Sheffield - Leeds	40	30	20
Leeds - MAN Airport	62	40	38
Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59



## Network North : Links to Darlington

- HSUK/NN intercity service/station served —○—
- NN local passenger services (selected) —○—
- Direct intercity service from Darlington —○—
- Direct local service/station served (indicative) —○—
- Connecting freight lines —○—
- Further details of local conurbation networks



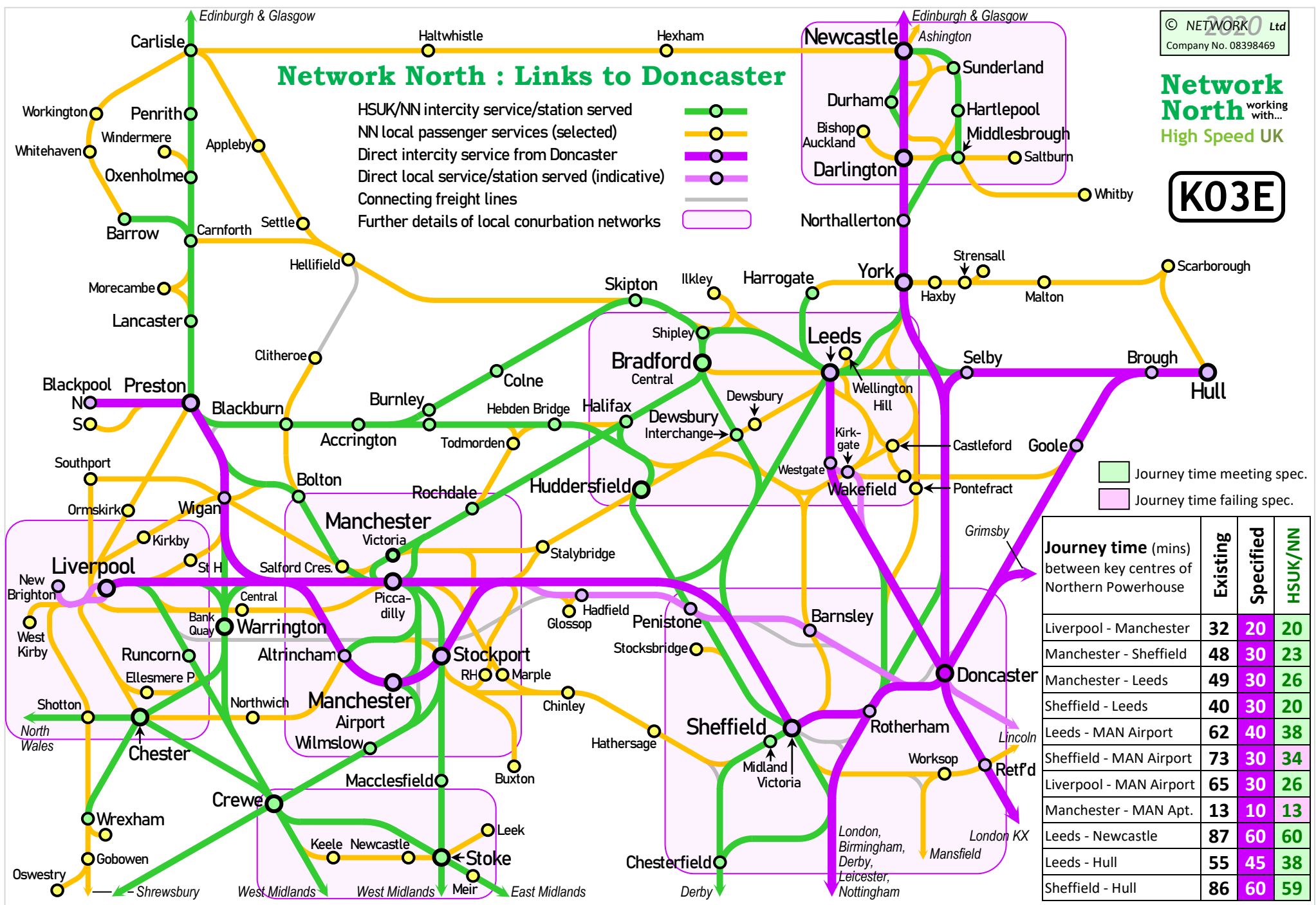
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Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
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Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59



## Network North : Links to Doncaster

- HSUK/NN intercity service/station served —○—
- NN local passenger services (selected) —○—
- Direct intercity service from Doncaster —○—
- Direct local service/station served (indicative) —○—
- Connecting freight lines —○—
- Further details of local conurbation networks



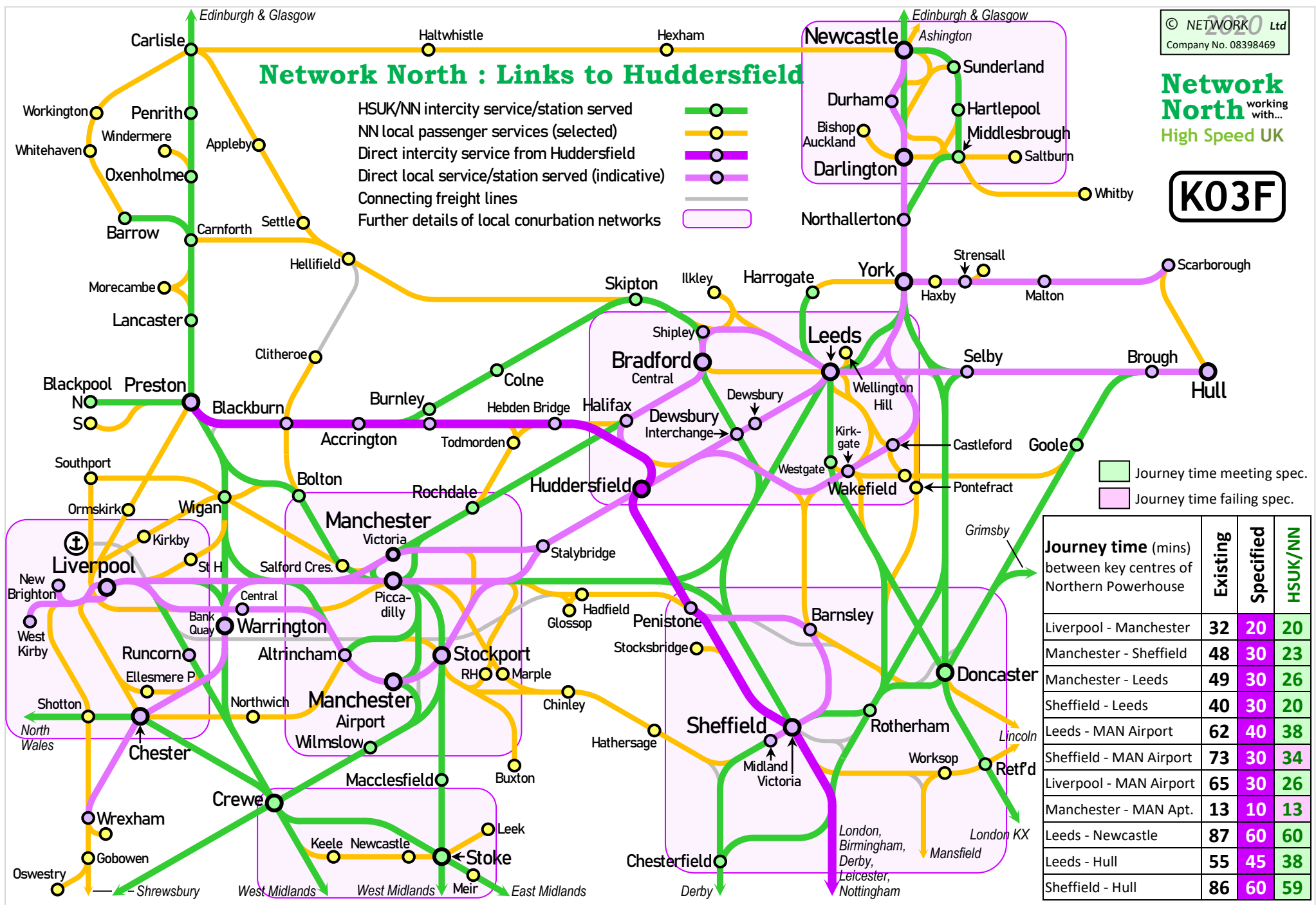
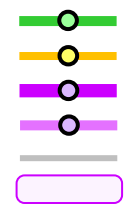
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 Journey time failing spec.

Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
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Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59

**K03F**

## Network North : Links to Huddersfield

HSUK/NN intercity service/station served  
 NN local passenger services (selected)  
 Direct intercity service from Huddersfield  
 Direct local service/station served (indicative)  
 Connecting freight lines  
 Further details of local conurbation networks



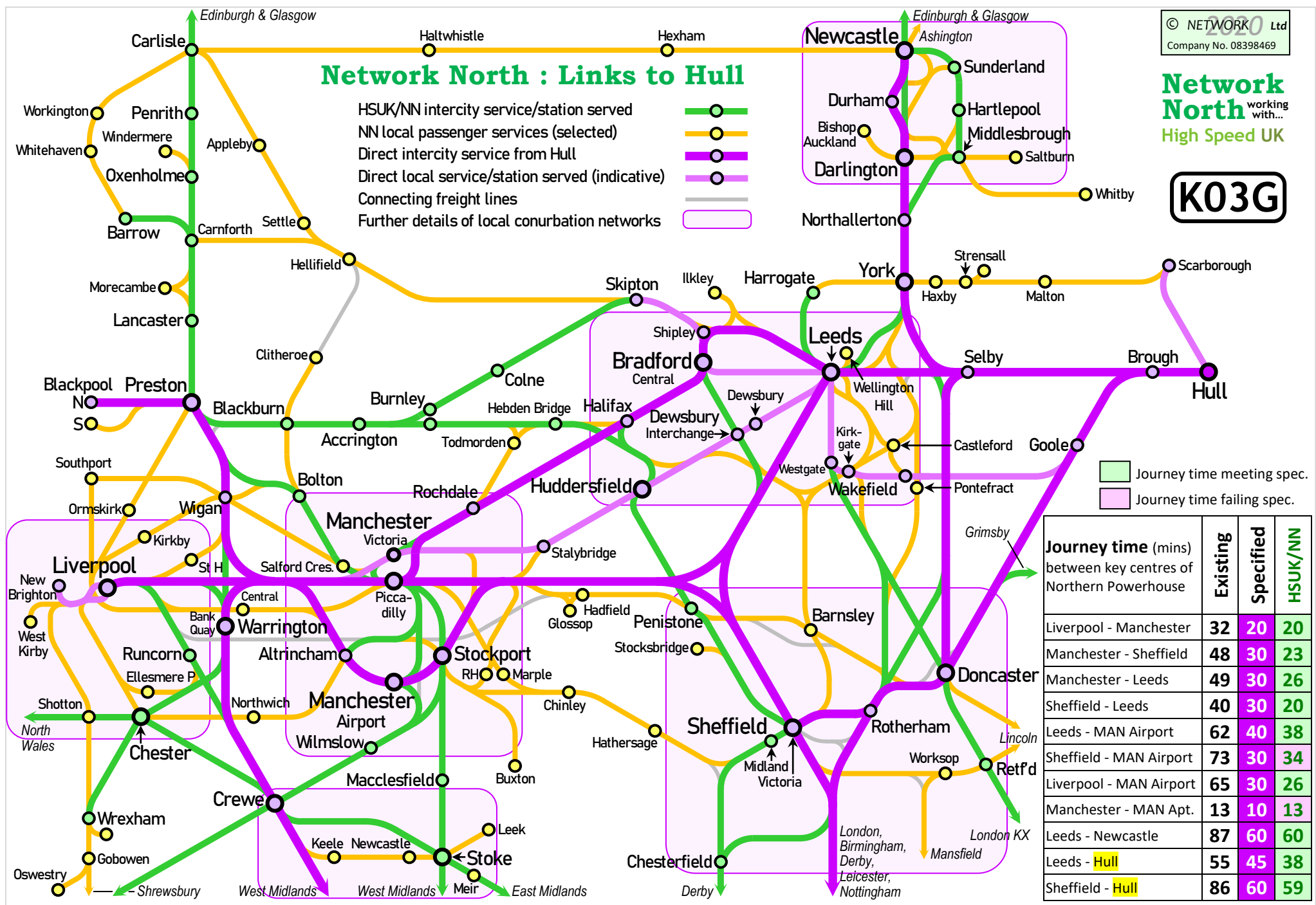
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Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
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Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59



## Network North : Links to Hull

- HSUK/NN intercity service/station served —○—
- NN local passenger services (selected) —○—
- Direct intercity service from Hull —○—
- Direct local service/station served (indicative) —○—
- Connecting freight lines —○—
- Further details of local conurbation networks



Journey time meeting spec.  
 Journey time failing spec.

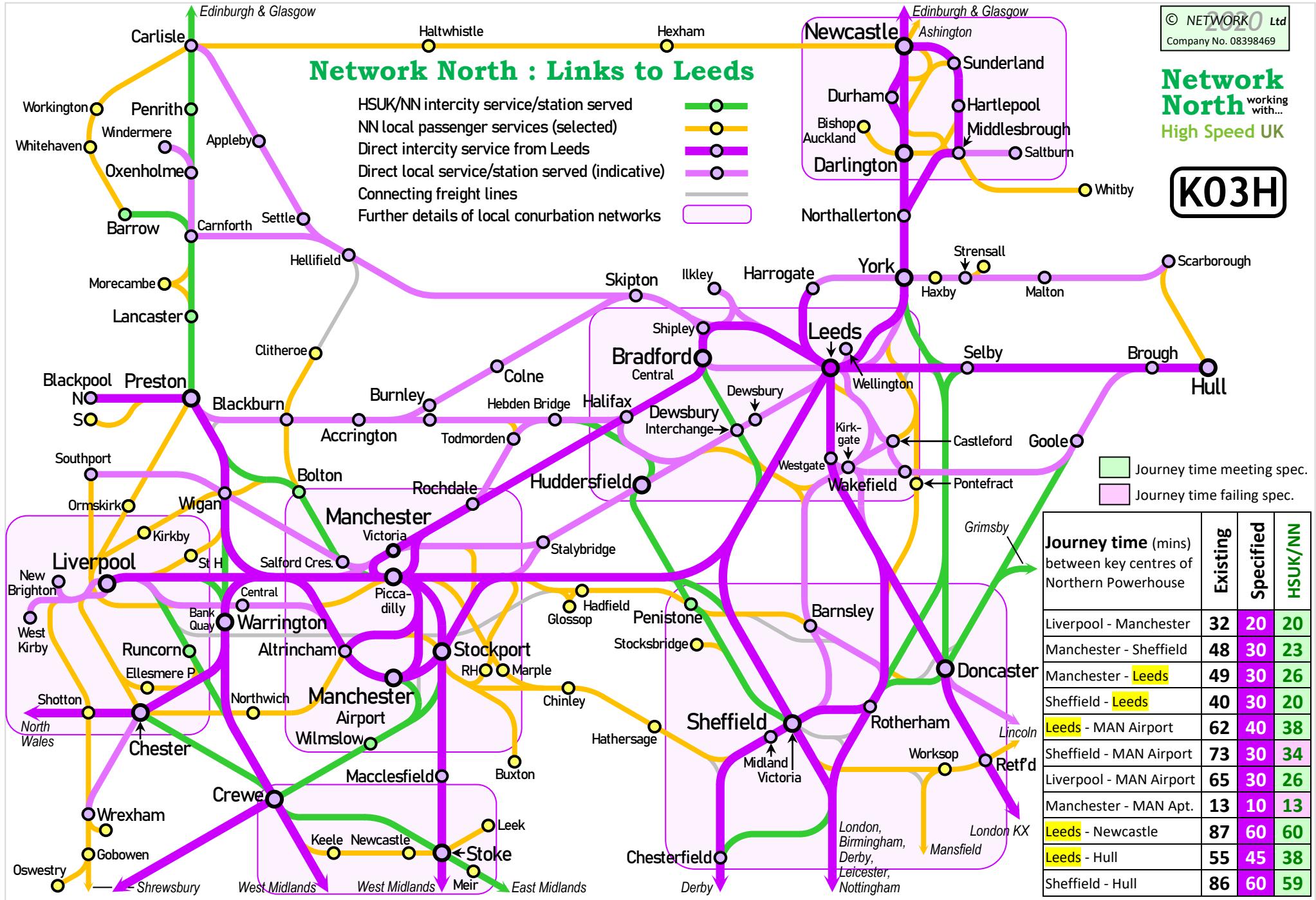
Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
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Manchester - Sheffield	48	30	23
Manchester - Leeds	49	30	26
Sheffield - Leeds	40	30	20
Leeds - MAN Airport	62	40	38
Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59





## Network North : Links to Leeds

- HSUK/NN intercity service/station served —○—
- NN local passenger services (selected) —○—
- Direct intercity service from Leeds —○—
- Direct local service/station served (indicative) —○—
- Connecting freight lines —○—
- Further details of local conurbation networks



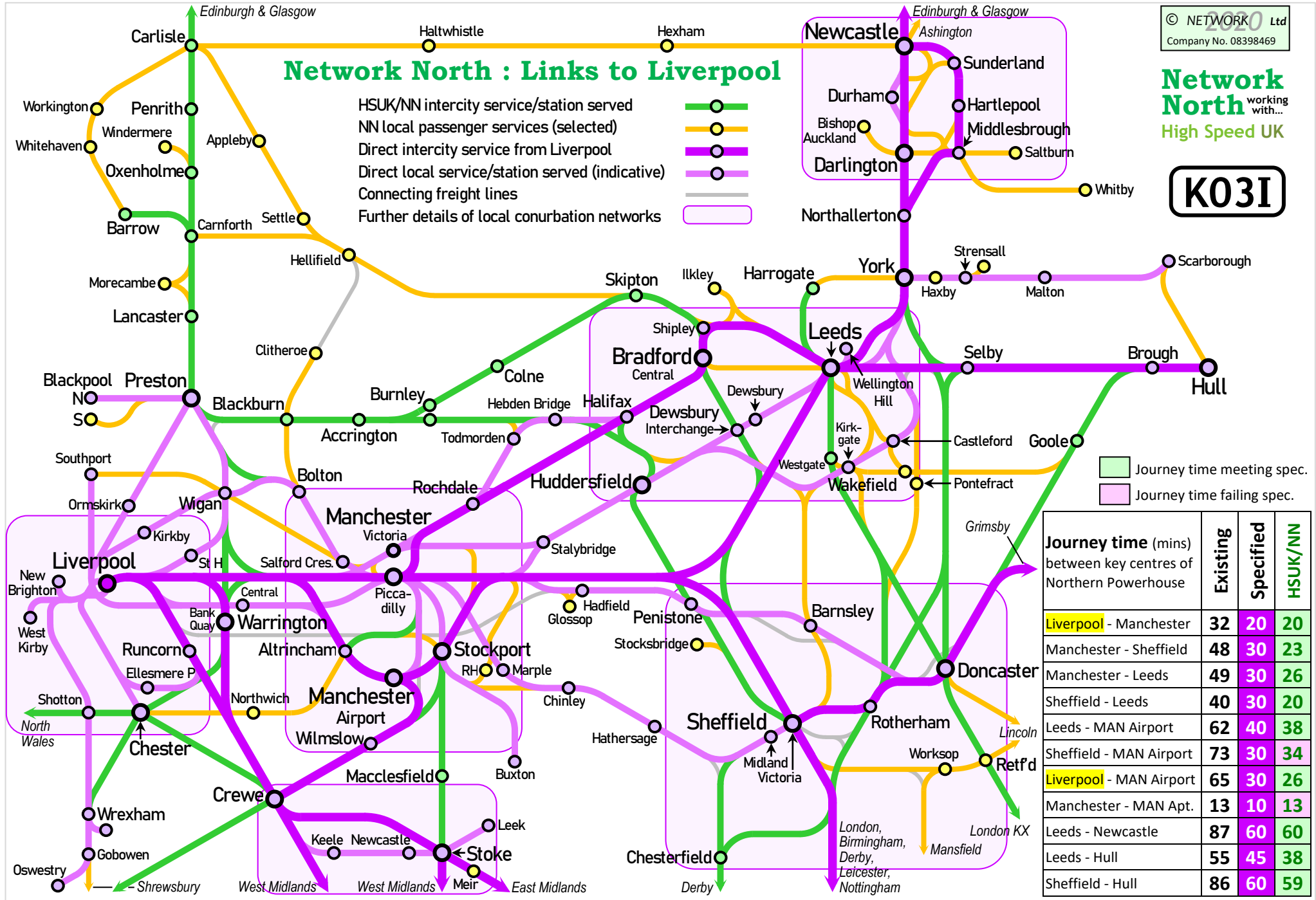
Journey time meeting spec.  
 Journey time failing spec.

Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
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Manchester - Sheffield	48	30	23
Manchester - <b>Leeds</b>	49	30	26
Sheffield - <b>Leeds</b>	40	30	20
<b>Leeds</b> - MAN Airport	62	40	38
Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
<b>Leeds</b> - Newcastle	87	60	60
<b>Leeds</b> - Hull	55	45	38
Sheffield - Hull	86	60	59



## Network North : Links to Liverpool

- HSUK/NN intercity service/station served —○—
- NN local passenger services (selected) —○—
- Direct intercity service from Liverpool —○—
- Direct local service/station served (indicative) —○—
- Connecting freight lines —○—
- Further details of local conurbation networks

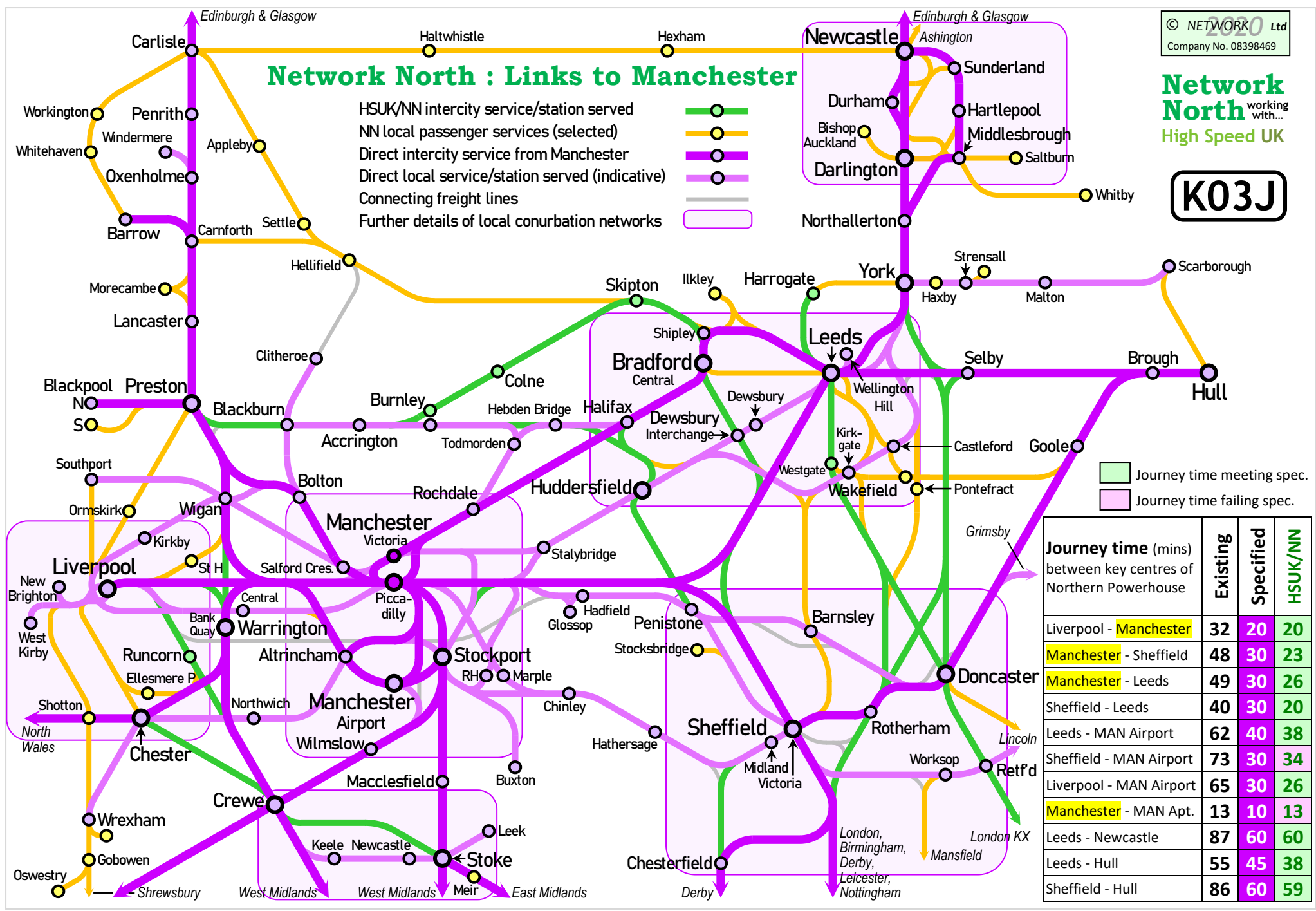
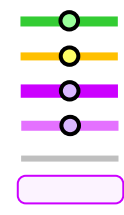


Journey time meeting spec.  
 Journey time failing spec.

Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
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Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59

## Network North : Links to Manchester

HSUK/NN intercity service/station served  
 NN local passenger services (selected)  
 Direct intercity service from Manchester  
 Direct local service/station served (indicative)  
 Connecting freight lines  
 Further details of local conurbation networks



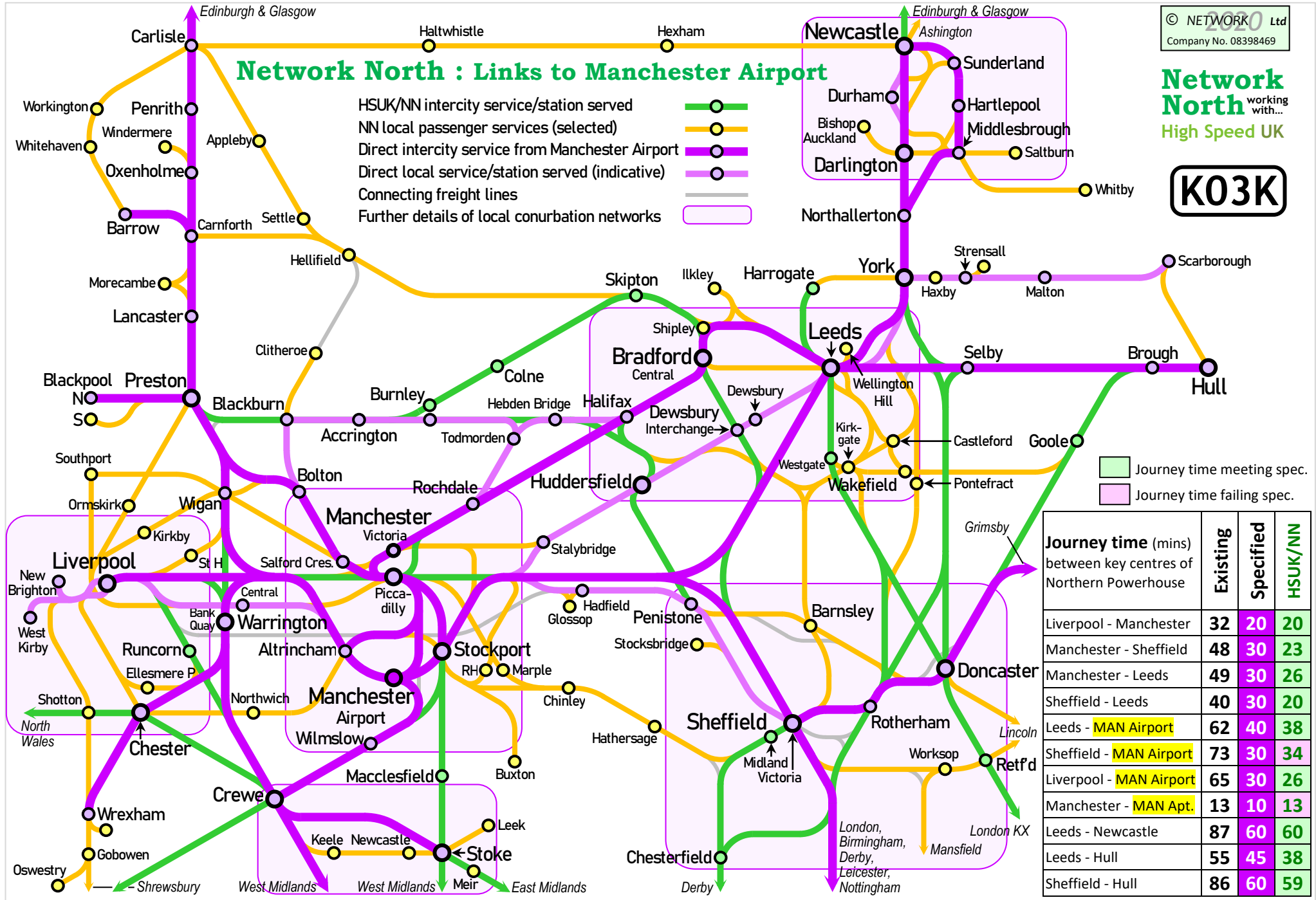
Green box: Journey time meeting spec.  
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Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59



## Network North : Links to Manchester Airport

- HSUK/NN intercity service/station served —○—
- NN local passenger services (selected) —○—
- Direct intercity service from Manchester Airport —○—
- Direct local service/station served (indicative) —○—
- Connecting freight lines —○—
- Further details of local conurbation networks

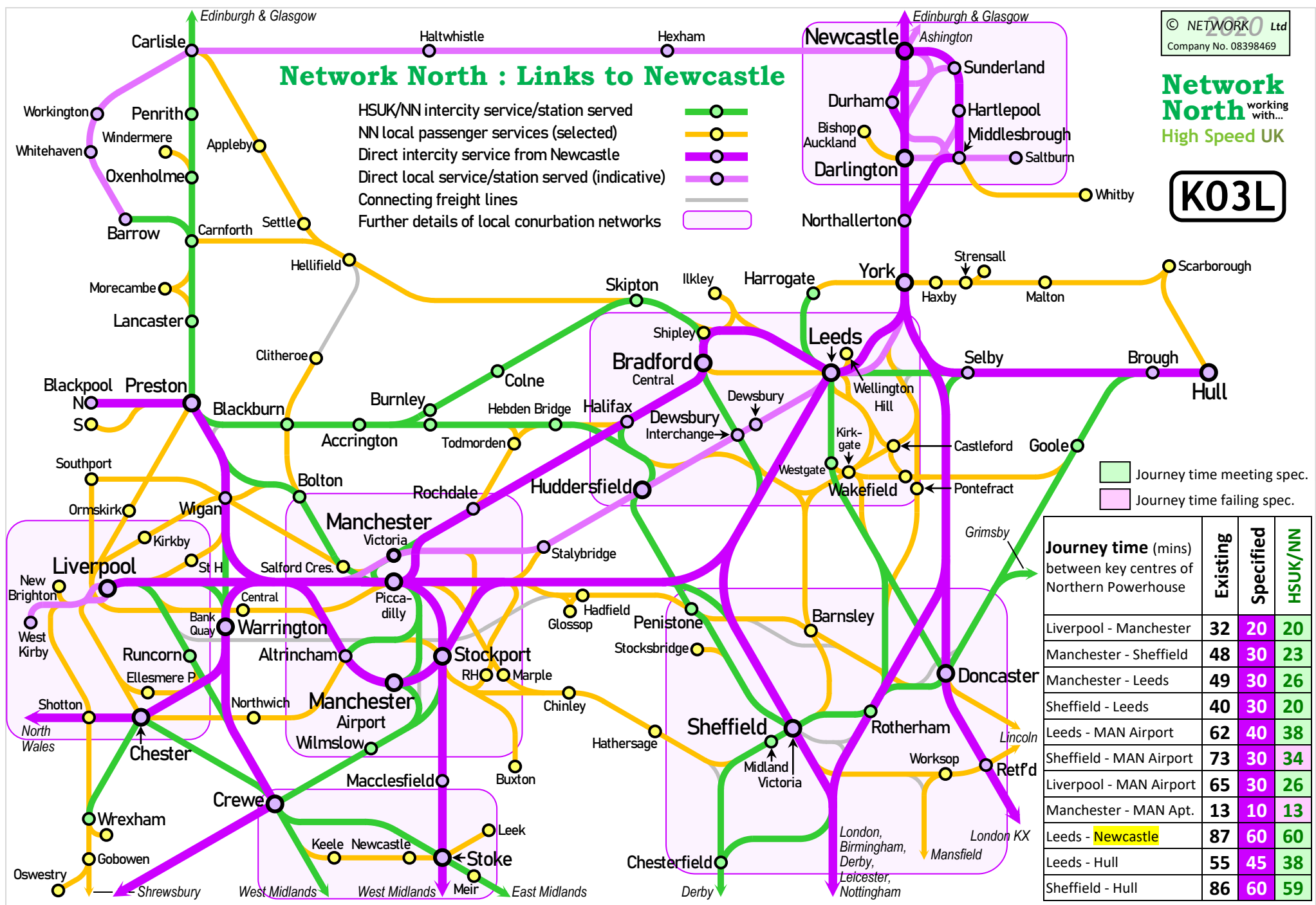


Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
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Sheffield - <b>MAN Airport</b>	73	30	34
Liverpool - <b>MAN Airport</b>	65	30	26
Manchester - <b>MAN Apt.</b>	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59



## Network North : Links to Newcastle

- HSUK/NN intercity service/station served —○—
- NN local passenger services (selected) —○—
- Direct intercity service from Newcastle —○—
- Direct local service/station served (indicative) —○—
- Connecting freight lines —○—
- Further details of local conurbation networks



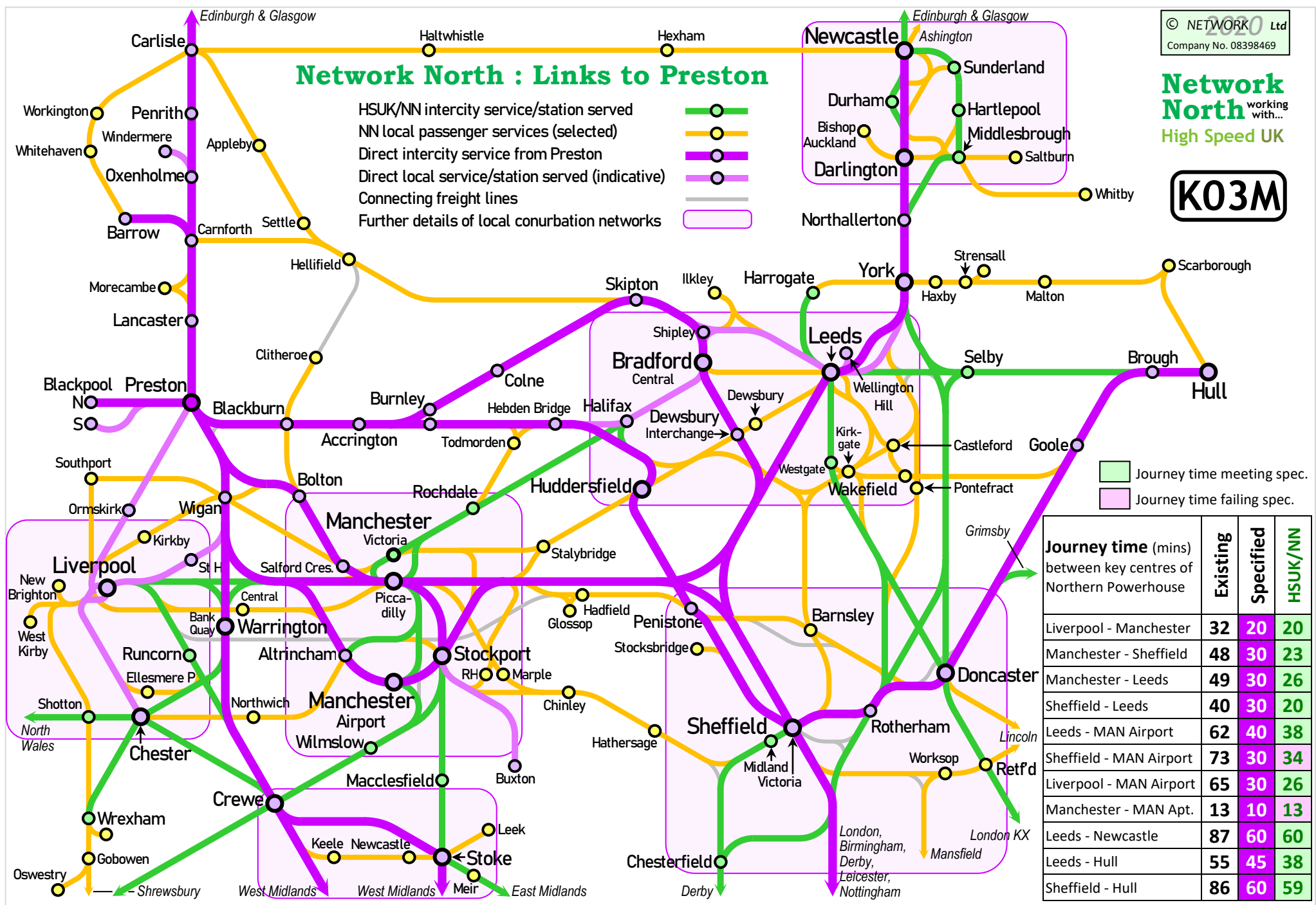
Journey time meeting spec.  
 Journey time failing spec.

Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
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Sheffield - Leeds	40	30	20
Leeds - MAN Airport	62	40	38
Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59



## Network North : Links to Preston

- HSUK/NN intercity service/station served —○—
- NN local passenger services (selected) —○—
- Direct intercity service from Preston —○—
- Direct local service/station served (indicative) —○—
- Connecting freight lines —○—
- Further details of local conurbation networks



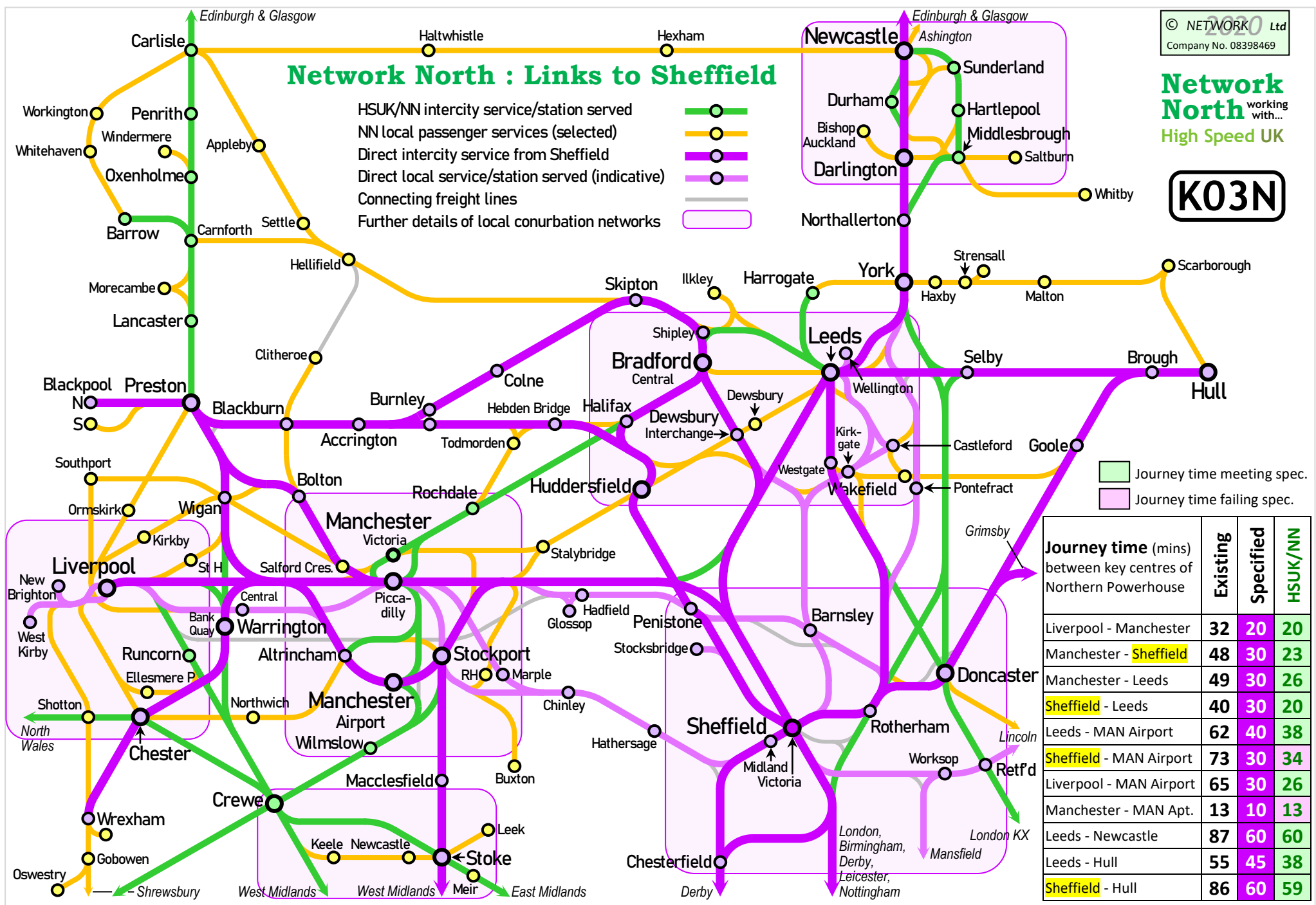
Journey time meeting spec.  
 Journey time failing spec.

Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
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Sheffield - Leeds	40	30	20
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Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59



## Network North : Links to Sheffield

- HSUK/NN intercity service/station served —○—
- NN local passenger services (selected) —○—
- Direct intercity service from Sheffield —○—
- Direct local service/station served (indicative) —○—
- Connecting freight lines —○—
- Further details of local conurbation networks



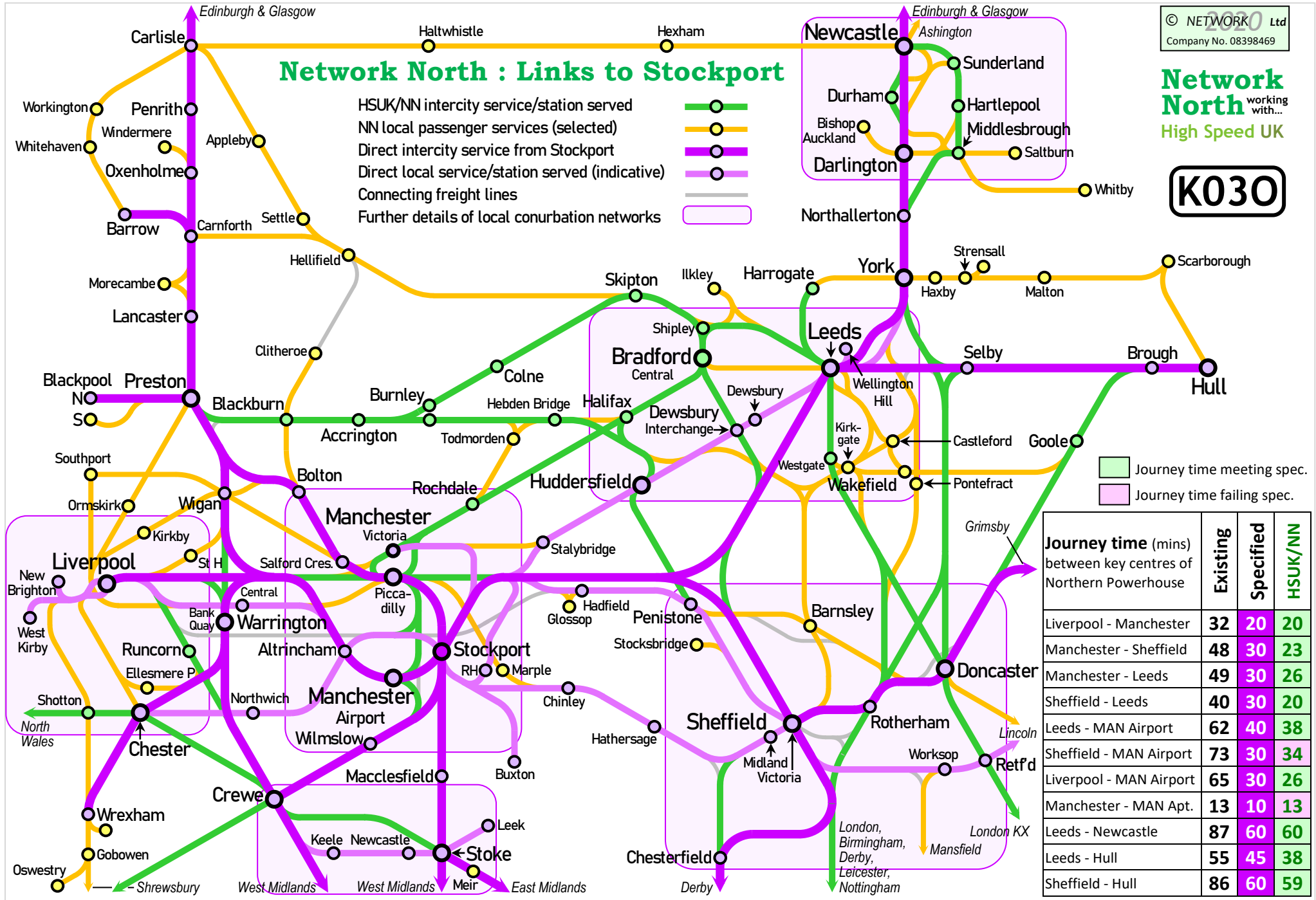
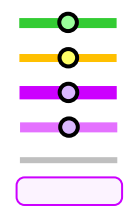
Journey time meeting spec.  
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Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59



## Network North : Links to Stockport

HSUK/NN intercity service/station served  
 NN local passenger services (selected)  
 Direct intercity service from Stockport  
 Direct local service/station served (indicative)  
 Connecting freight lines  
 Further details of local conurbation networks



Green box: Journey time meeting spec.  
 Pink box: Journey time failing spec.

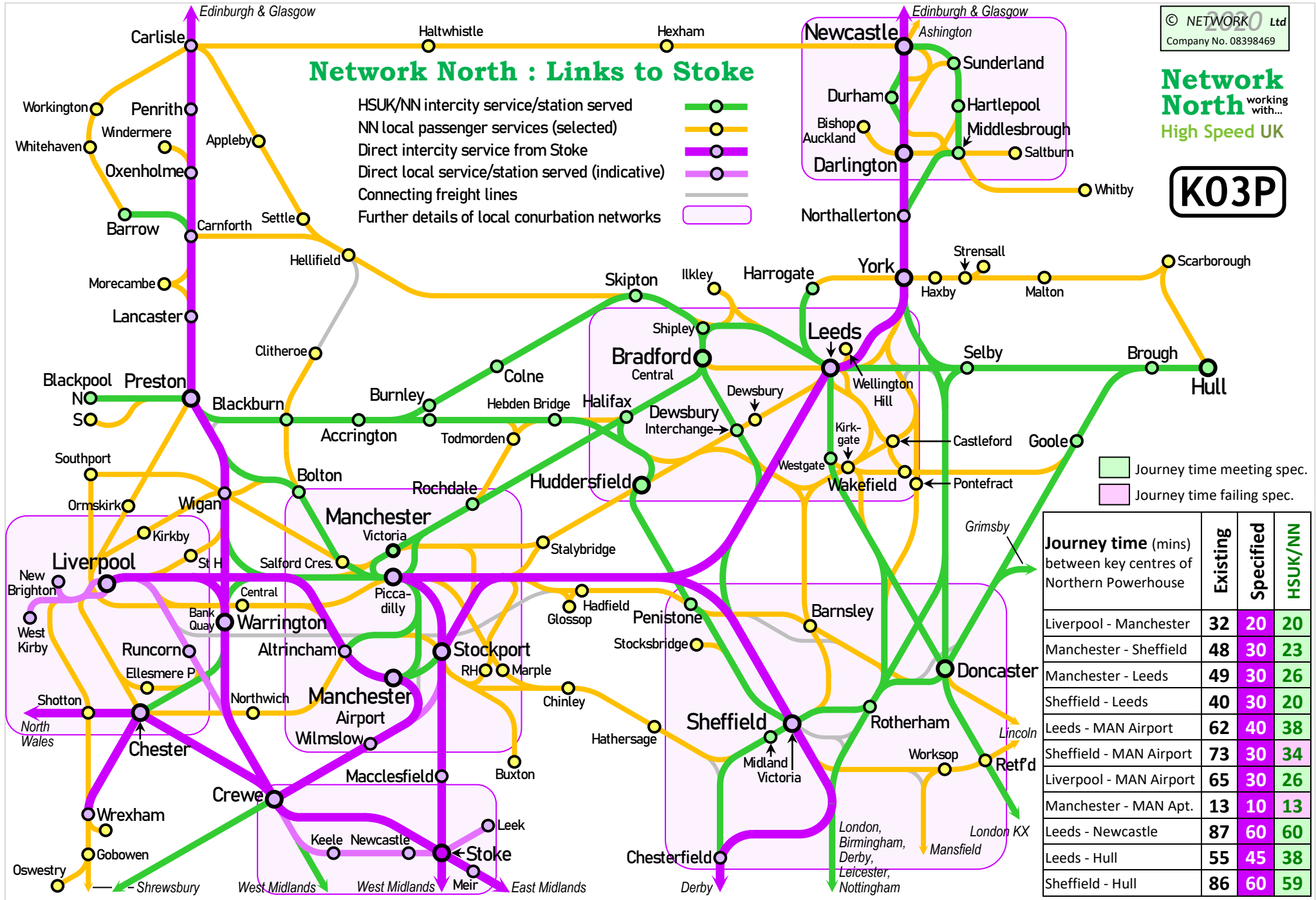
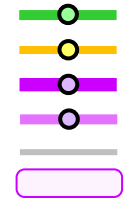
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Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59





## Network North : Links to Stoke

HSUK/NN intercity service/station served  
 NN local passenger services (selected)  
 Direct intercity service from Stoke  
 Direct local service/station served (indicative)  
 Connecting freight lines  
 Further details of local conurbation networks



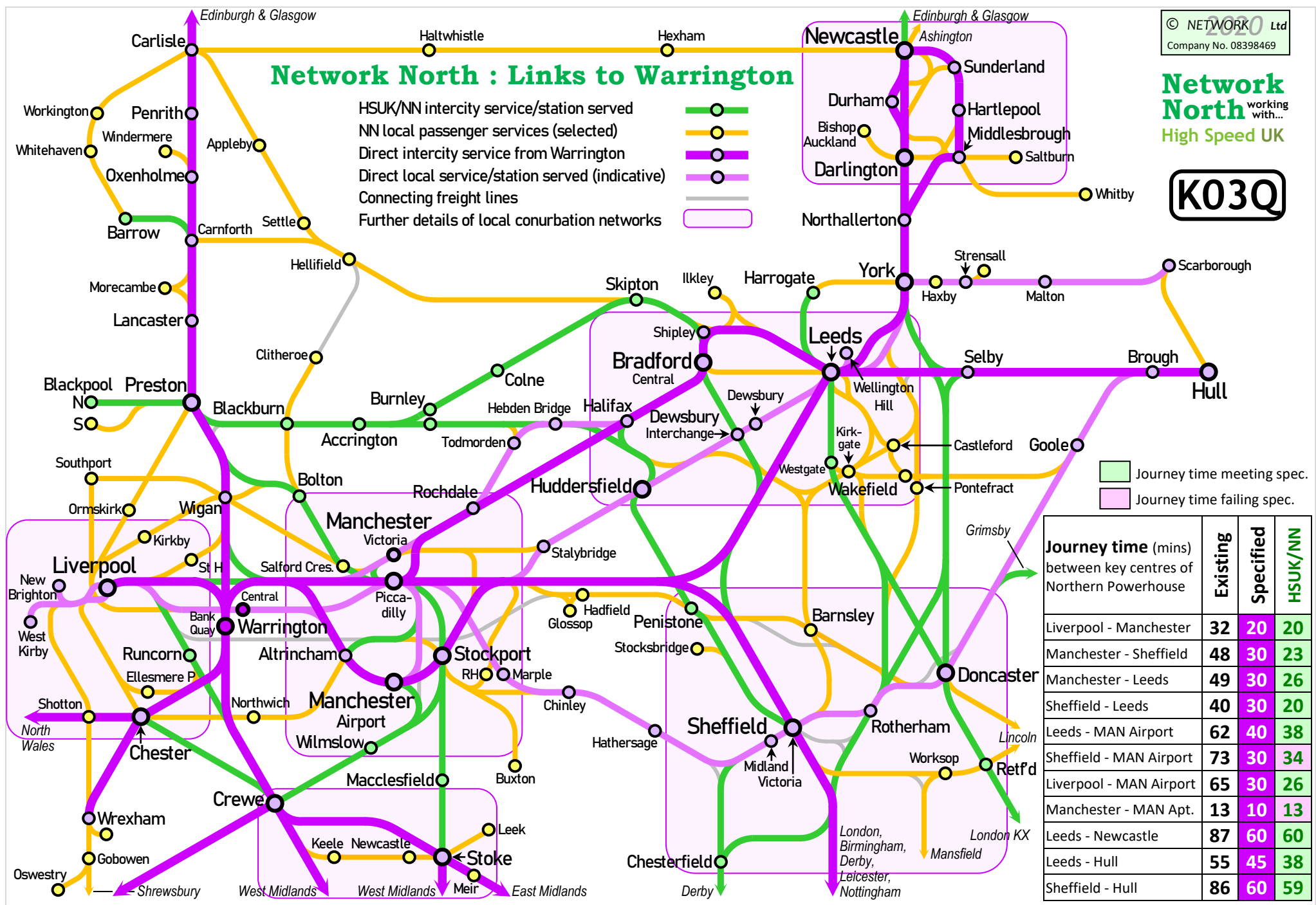
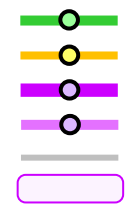
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Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59



## Network North : Links to Warrington

HSUK/NN intercity service/station served  
 NN local passenger services (selected)  
 Direct intercity service from Warrington  
 Direct local service/station served (indicative)  
 Connecting freight lines  
 Further details of local conurbation networks



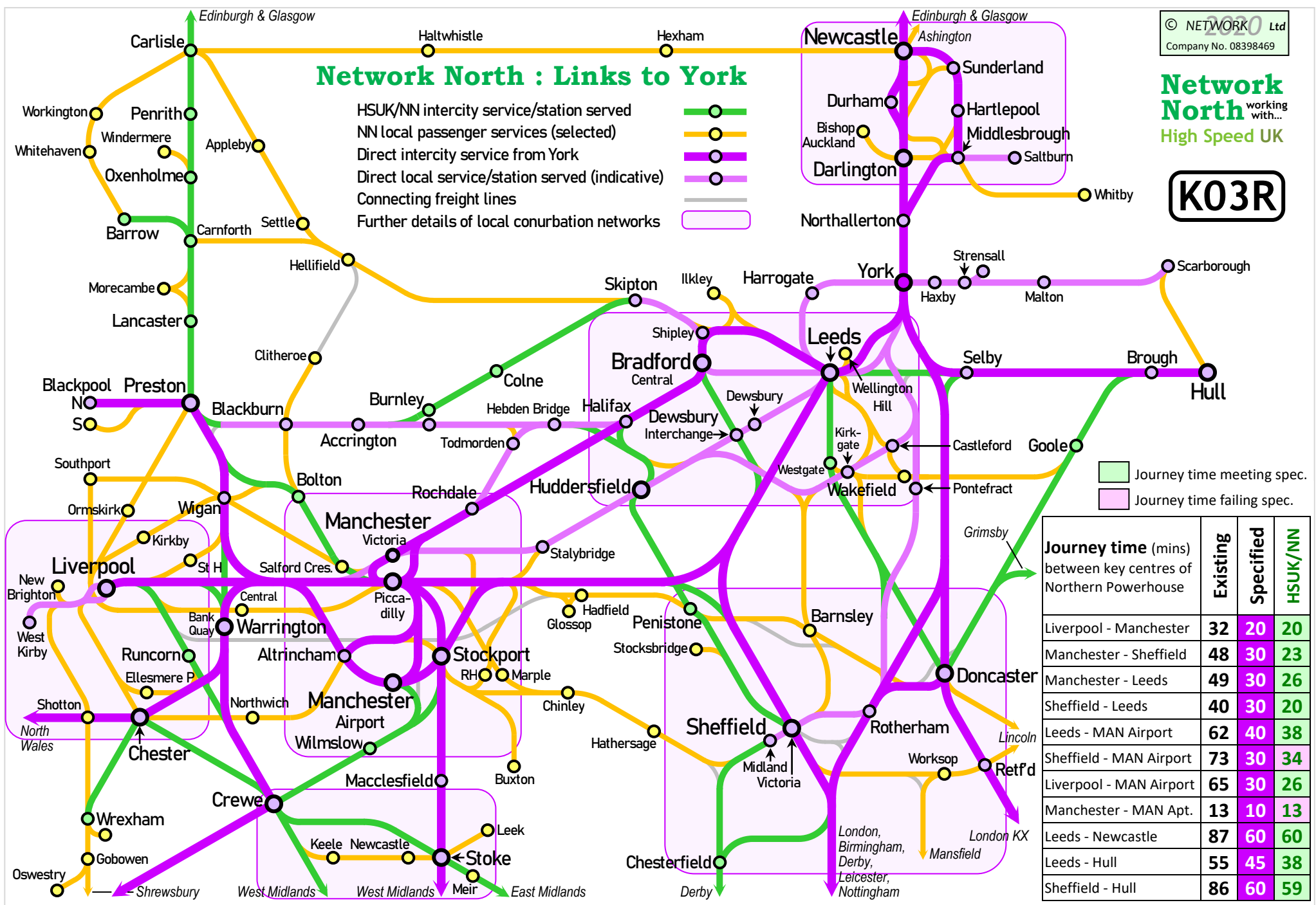
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Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
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Sheffield - Hull	86	60	59



## Network North : Links to York

- HSUK/NN intercity service/station served —○—
- NN local passenger services (selected) —○—
- Direct intercity service from York —○—
- Direct local service/station served (indicative) —○—
- Connecting freight lines —○—
- Further details of local conurbation networks



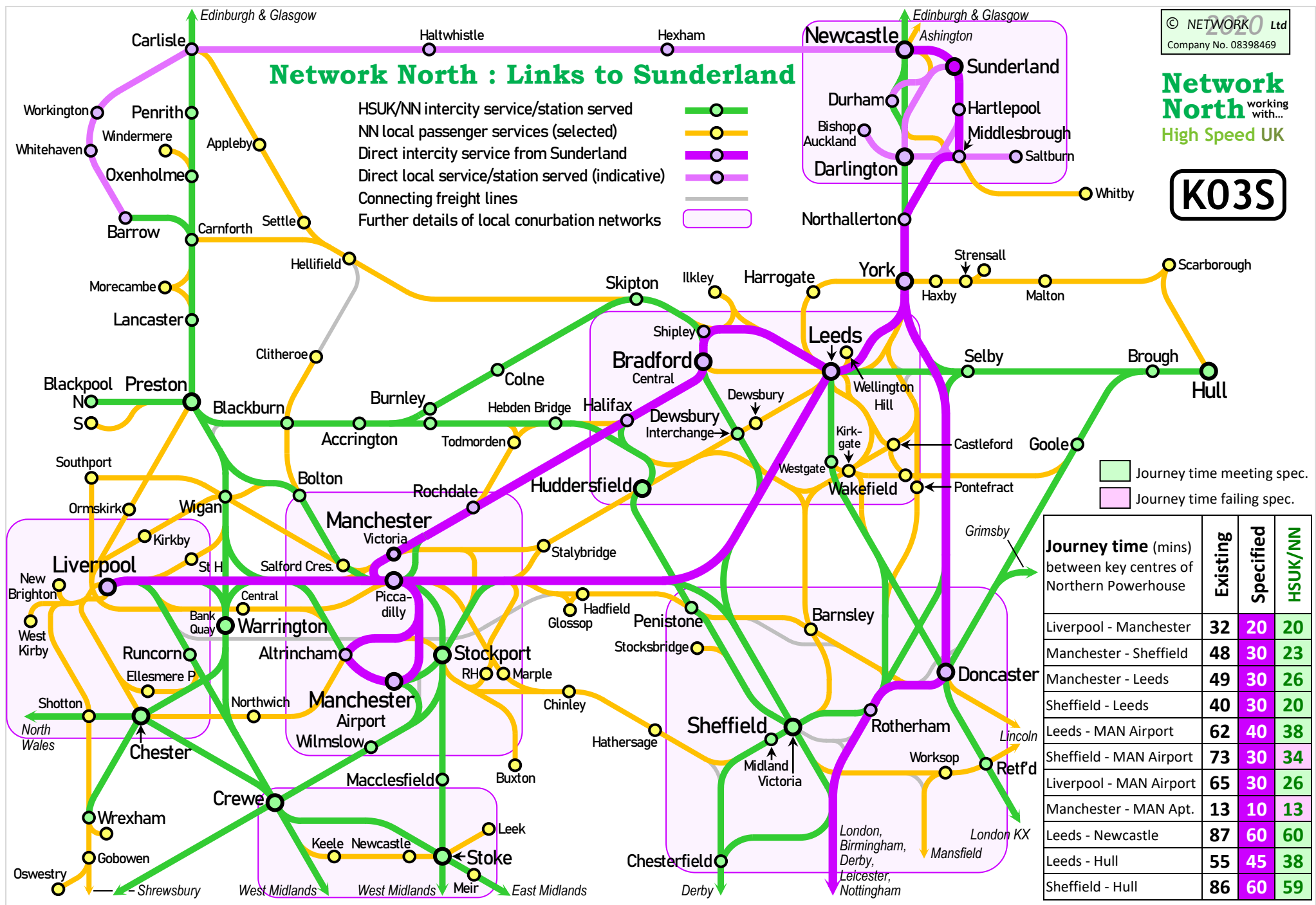
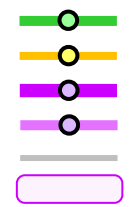
Journey time meeting spec.  
 Journey time failing spec.

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Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59



## Network North : Links to Sunderland

HSUK/NN intercity service/station served  
 NN local passenger services (selected)  
 Direct intercity service from Sunderland  
 Direct local service/station served (indicative)  
 Connecting freight lines  
 Further details of local conurbation networks



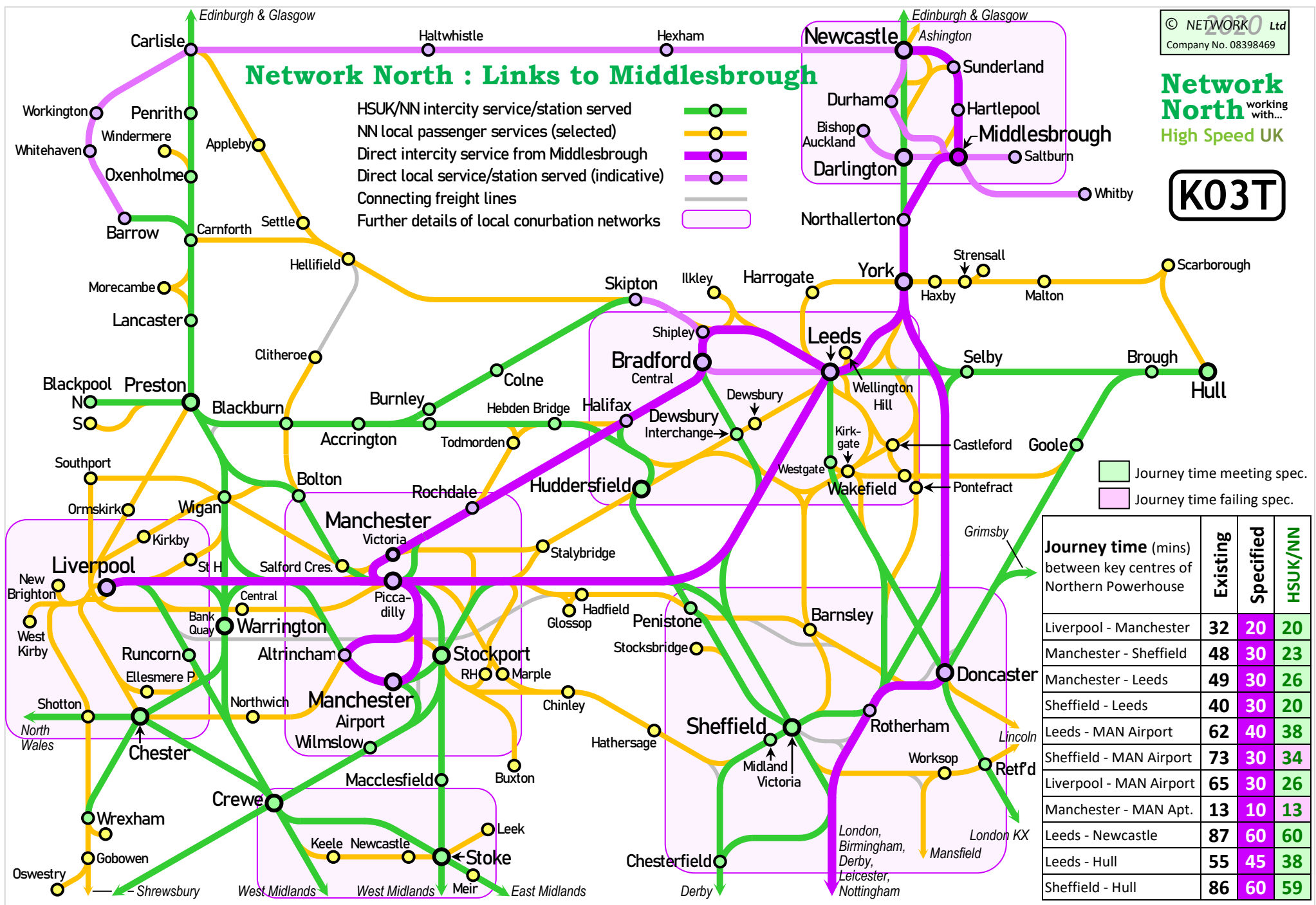
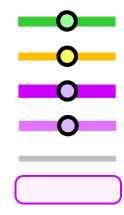
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Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59



# Network North : Links to Middlesbrough

HSUK/NN intercity service/station served  
 NN local passenger services (selected)  
 Direct intercity service from Middlesbrough  
 Direct local service/station served (indicative)  
 Connecting freight lines  
 Further details of local conurbation networks



Green box: Journey time meeting spec.  
 Pink box: Journey time failing spec.

Journey time (mins) between key centres of Northern Powerhouse	Existing	Specified	HSUK/NN
Liverpool - Manchester	32	20	20
Manchester - Sheffield	48	30	23
Manchester - Leeds	49	30	26
Sheffield - Leeds	40	30	20
Leeds - MAN Airport	62	40	38
Sheffield - MAN Airport	73	30	34
Liverpool - MAN Airport	65	30	26
Manchester - MAN Apt.	13	10	13
Leeds - Newcastle	87	60	60
Leeds - Hull	55	45	38
Sheffield - Hull	86	60	59