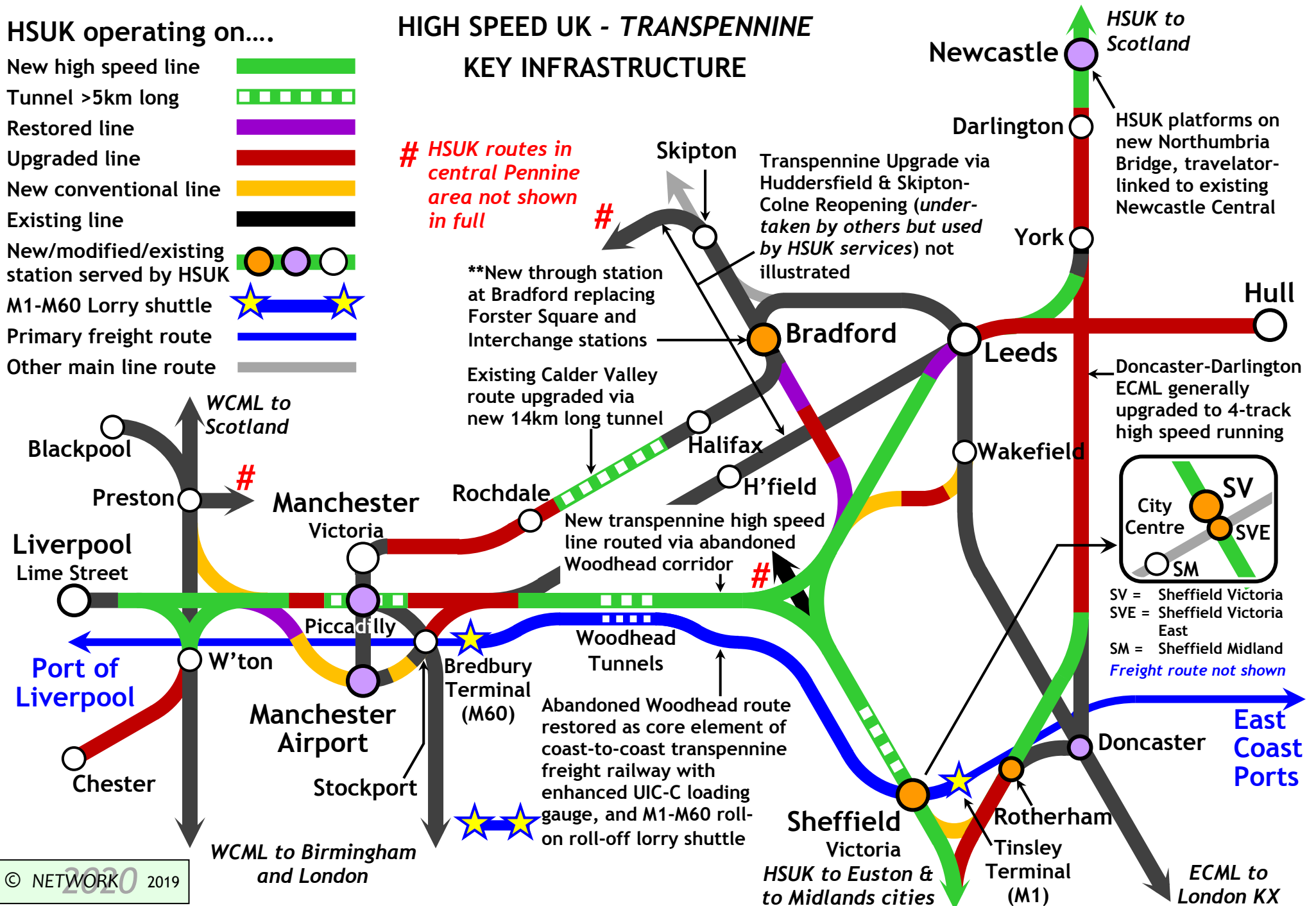


HSUK operating on....

- New high speed line
- Tunnel >5km long
- Restored line
- Upgraded line
- New conventional line
- Existing line
- New/modified/existing station served by HSUK
- M1-M60 Lorry shuttle ★★
- Primary freight route
- Other main line route

HIGH SPEED UK - TRANSPENNINE KEY INFRASTRUCTURE

HSUK routes in central Pennine area not shown in full



**New through station at Bradford replacing Forster Square and Interchange stations

Existing Calder Valley route upgraded via new 14km long tunnel

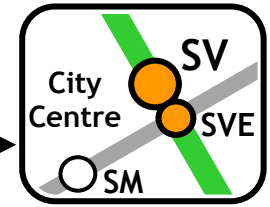
New transpennine high speed line routed via abandoned Woodhead corridor

Abandoned Woodhead route restored as core element of coast-to-coast transpennine freight railway with enhanced UIC-C loading gauge, and M1-M60 roll-on roll-off lorry shuttle

Transpennine Upgrade via Huddersfield & Skipton-Colne Reopening (undertaken by others but used by HSUK services) not illustrated

HSUK platforms on new Northumbria Bridge, travelator-linked to existing Newcastle Central

Doncaster-Darlington ECML generally upgraded to 4-track high speed running



SV = Sheffield Victoria
SVE = Sheffield Victoria East
SM = Sheffield Midland
Freight route not shown

HIGH SPEED UK - TRANSPENNINE

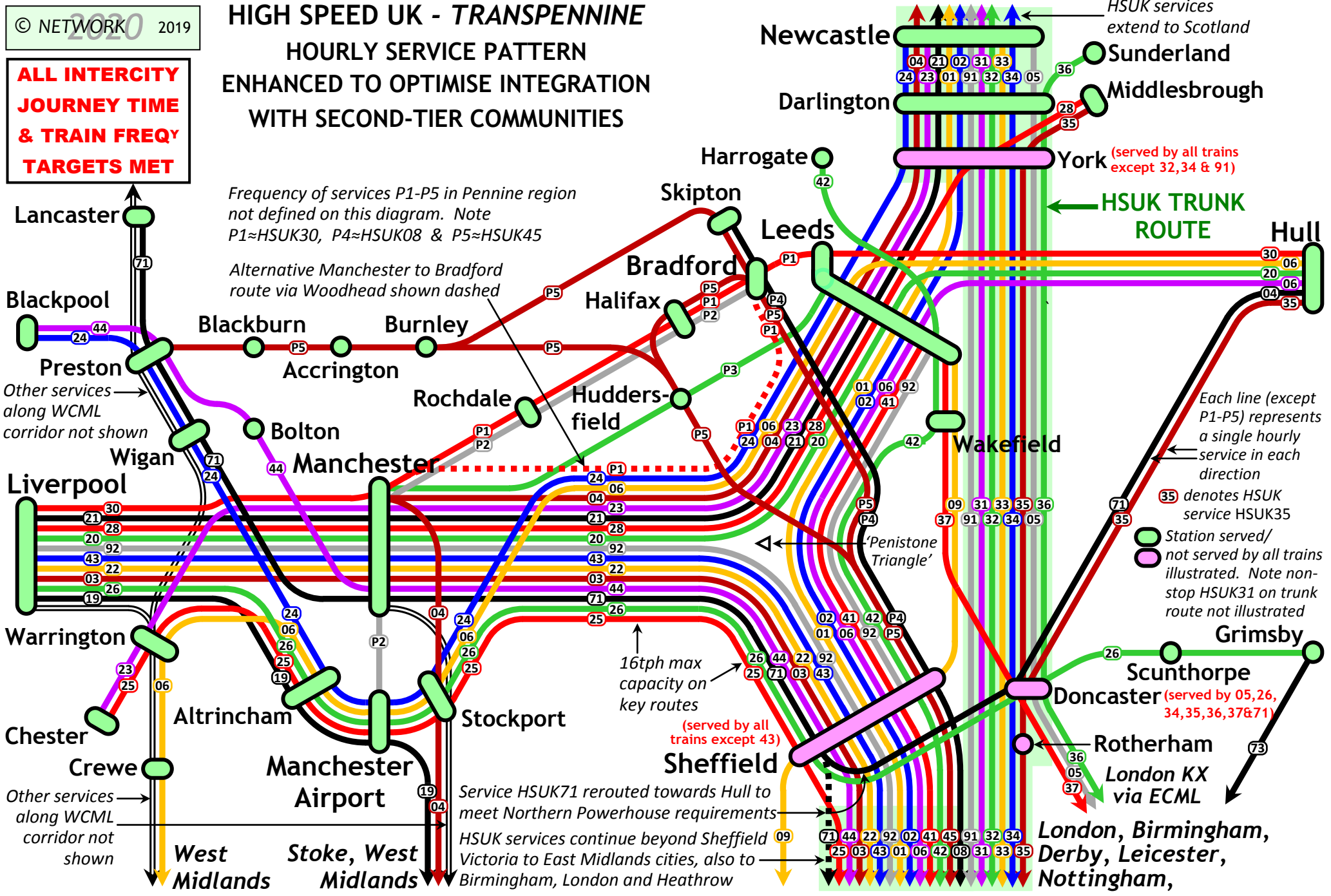
HOURLY SERVICE PATTERN

ENHANCED TO OPTIMISE INTEGRATION WITH SECOND-TIER COMMUNITIES

ALL INTERCITY JOURNEY TIME & TRAIN FREQ TARGETS MET

Frequency of services P1-P5 in Pennine region not defined on this diagram. Note P1≈HSUK30, P4≈HSUK08 & P5≈HSUK45

Alternative Manchester to Bradford route via Woodhead shown dashed



HSUK services extend to Scotland

(served by all trains except 32,34 & 91)

HSUK TRUNK ROUTE

Each line (except P1-P5) represents a single hourly service in each direction

35 denotes HSUK service HSUK35

Station served/not served by all trains illustrated. Note non-stop HSUK31 on trunk route not illustrated

(served by 05,26,34,35,36,37&71)

London KX via ECML

London, Birmingham, Derby, Leicester, Nottingham,

16tph max capacity on key routes

Service HSUK71 rerouted towards Hull to meet Northern Powerhouse requirements

HSUK services continue beyond Sheffield Victoria to East Midlands cities, also to Birmingham, London and Heathrow

Other services along WCML corridor not shown

Other services along WCML corridor not shown

West Midlands

Stoke, West Midlands