

Train Service Specification for ECML ESG May 2022 [SX]: Industry PMO version

	ID	Option / scenarios	From	To	Train Operator or Service group	Peak/off-peak variations	Typical stock / trailing load	Service Pattern	Suggested calling pattern (portion affecting ECML)	Notes
LHS	EC1		London Kings Cross	Leeds	LNER	All day	Class 80x	30 min interval	Grantham, Peterborough, Doncaster, Wakefield Westgate, Leeds	could be extended beyond Leeds
	EC2		London Kings Cross	Leeds	LNER	All day	Class 80x		Stevenage, Newark Northgate, Doncaster, Wakefield Westgate, Leeds	could be extended beyond Leeds
	EC4		London Kings Cross	Edinburgh Waverley	LNER	All day	Class 80x	60 minutes	York, Newcastle	
	EC6		London Kings Cross	Edinburgh Waverley	LNER	All day	Class 800 bi-mode / Class 801 electric	60 minutes	Peterborough, Newark Northgate, Doncaster, York, (Darlington), (Durham), Newcastle, (Morpeth), (Alnmouth), Berwick-upon-Tweed, (Dunbar)	Darlington and Durham on alternating stops each off-peak hour see notes about calling pattern between Newcastle and Edinburgh some services will continue beyond Edinburgh Waverley
	EC8		London Kings Cross	Newcastle	LNER	All day	Class 80x	60 minutes	Stevenage, Grantham, York, (Northallerton), Darlington, Durham	Northallerton stop to be served 2-hourly until Middlesbrough service introduced in full in 2023
	EC9		London Kings Cross	Lincoln / Cleethorpes	LNER	All day	Class 800 bi-mode Cleethorpes limited to 5-car Class 800	120 minutes	Peterborough, Grantham, Newark Northgate, Lincoln (Market Rasen, Barnetby, Habrough, Grimsby Town)	London <> Lincoln quantum: 6 tpd southbound; 7 tpd northbound first southbound train start from Cleethorpes if operationally feasible last northbound train extend to Cleethorpes if operationally feasible
	EC10a	Option	London Kings Cross	Bradford Interchange (via South Kirkby Junction)	Grand Central	All day	5-car Class 180	5 trains per day	Doncaster, Wakefield Kirkgate...	Option A routing is first preference for Grand Central; KGX: 1 post-morning peak arrival slot, 1 evening peak departure slot, 1 post-evening peak departure slot.
	EC10b	Option	London Kings Cross	Bradford Interchange (via Asken and Pontefract)	Grand Central	All day	5-car Class 180	5 trains per day	Doncaster, Pontefract Monkhill, Wakefield Kirkgate...	KGX: as per EC10a
	EC11		London Kings Cross	Sunderland	Grand Central	All day	5-car or 10-car Class 180	6 trains per day	York, Thirsk, Northallerton, Eaglescliffe, Hartlepool	Kings Cross: - 1 post-morning peak arrival slot into KGX, 10-car formation - 1 evening peak departure slot from KGX; possible 10-car formation - 1 post-evening peak departure slot, 10-car formation - 1 early am departure slot - 1 late pm arrival slot
	EC12		London Kings Cross	Hull (and Beverley)	Hull Trains	All day	5-car Class 802 bi-mode	7 trains per day	Grantham, Retford, Doncaster, Selby...	1 evening departure from Kings Cross will be 10-car Class 802 Two return working per day extended to/from Beverley
	EC13		London Kings Cross	Edinburgh	East Coast Trains Ltd.	Off-peak	5-car Class 803 EMU	5 trains per day	(Stevenage), Newcastle, Morpeth	2 tpd Down and 2 tpd Up calls at Stevenage
	EC14a		London Kings Cross	Middlesbrough	LNER	All day	Class 800 bi-mode	1 train per day	Peterborough, Retford, Doncaster, York, Northallerton, (Eaglescliffe), Thornaby	paths to be developed in full ready for completion of Middlesbrough Capacity project in 2023
	EC14b		London Kings Cross	York	LNER	All day	Class 800 bi-mode	120 minutes	Peterborough, Retford, Doncaster, York	interim service to be provided from May 2022 until 2023
	EC15		Leeds	Harrogate	LNER	All day	Class 800 bi-mode	120 minutes	Horsforth only	extension of a Kings Cross <-> Leeds train (EC1/2); 6 paths per day each direction
	EC16		Leeds	Bradford Forster Square	LNER	All day	Class 80x	1 train per day each direction	Shipley only	extension of a Kings Cross <-> Leeds train (EC1/2); 7 paths per day each direction
	EC17		Leeds	Skipton	LNER	All day	Class 80x	1 train per day	Keighley	extension of a Kings Cross <-> Leeds train (EC1/2)
	EC18		Leeds	Huddersfield	LNER	All day	5-car Class 800 bi-mode	1 train per day to Leeds	Bewsbury	extension of a Kings Cross <-> Leeds train (EC1/2)
	EC19		Newcastle	Sunderland	LNER	All day	Class 800 bi-mode	1 train per day to Newcastle		extension of Kings Cross <-> Newcastle (EC8); via Pelaw
	EC20		Doncaster	Aberdeen	LNER	Off-peak	Class 800 bi-mode	1 train per day	York, (Darlington), (Durham), Newcastle, Morpeth, Alnmouth, Berwick-upon-Tweed, Reston, Dunbar, Edinburgh Waverley, Haymarket...	
	EC21		Edinburgh Waverley	Glasgow Central	LNER	All day	Class 80x	1 train per day	Haymarket, Motherwell	extension of Kings Cross <-> Edinburgh Waverley (EC6); via Carstairs
	EC22		Edinburgh Waverley	Stirling	LNER	All day	Class 80x	1 train per day	Haymarket, Falkirk Grahamston	extension of Kings Cross <-> Edinburgh Waverley (EC6)
	EC23		Edinburgh Waverley	Aberdeen	LNER	All day	Class 800 bi-mode	3 trains per day	Haymarket, Inverkeithing...	extension of Kings Cross <-> Edinburgh Waverley (EC6)
	EC24		Edinburgh Waverley	Inverness (via Stirling)	LNER	All day	Class 800 bi-mode	1 train per day	Haymarket, Falkirk Grahamston...	extension of Kings Cross <-> Edinburgh Waverley (EC6)
	EC-AM		various	London Kings Cross	LNER	AM peak		20 arrivals into KGX 07:00 - 09:59	as specified by LNER	as specified by LNER
	EC-PM		London Kings Cross	various	LNER	PM peak		19 departures from KGX 16:00 - 18:59	as specified by LNER	as specified by LNER
	XC1		Plymouth	Edinburgh Waverley / Glasgow / Dundee (via Leeds)	CrossCountry	All day	Class 220/1 or HST2+7	60 min interval	... Sheffield, Wakefield Westgate, Leeds, York, (Northallerton), Darlington, Durham, Newcastle, (Morpeth), (Alnmouth), Berwick-upon-Tweed, (Reston), (Dunbar), Edinburgh...	see notes about calling pattern between Newcastle and Edinburgh
	XC2		Reading	Newcastle (via Doncaster)	CrossCountry	Off-peak	Class 220/1	60 min interval	... Sheffield, Doncaster, York, Darlington, Durham, Newcastle	
	XC2b		Reading	Newcastle (via Leeds)	CrossCountry	Peak only	Class 220/1	60 min interval	... Sheffield, Wakefield, Westgate, Leeds, York, Darlington, Durham, Newcastle	
	KXS1		London Kings Cross	Ely / Kings Lynn (fast to/from Cambridge)	Great Northern outer-suburban	Off-peak	8-car Class 387	30 min interval	non-stop to Cambridge, then all stations to Ely / Kings Lynn	
	KXS2		London Kings Cross	Kings Lynn (fast to/from Cambridge)	Great Northern outer-suburban	Off-peak	8-car Class 387	30 min interval	non-stop to Cambridge, then all stations to Ely / Kings Lynn	
	KXS3		London Kings Cross	Ely / Kings Lynn	Great Northern outer-suburban	Peak only	12-car Class 387	30 min interval	Letchworth, Royston, Cambridge; then all stations to Ely / Kings Lynn	
	KXS4		London Kings Cross	Kings Lynn	Great Northern outer-suburban	Peak only	12-car Class 387	30 min interval	Letchworth, Royston, Cambridge; then all stations to Ely / Kings Lynn	
	KXS5		London Kings Cross	Peterborough (peak fast)	Great Northern outer-suburban	Peak only	8 or 12-car Class 365	30 min interval	Stevenage, Biggleswade, St. Neots, Huntingdon	0542 PBO to KGX formed by 8-car 387, doesn't call at Stevenage
	KXS6		London Kings Cross	Peterborough (peak fast)	Great Northern outer-suburban	Peak only	8 or 12-car Class 365	30 min interval	Stevenage, Biggleswade, St. Neots, Huntingdon	0804 PBO to KGX-formed by 8-car 365
	KXS7		London Kings Cross	Letchworth	Great Northern outer-suburban	Peak only	8 car class 365, 387 or 700	30 min interval; circa 16:25 - 18:25 plus one at circa 1925	Alexandra Palace, Potters Bar, Hatfield, Welwyn GC, Welwyn North, Knebworth, Hitchin, Letchworth	see notes about Great Northern peak hours
	KXS8		London Kings Cross	Letchworth	Great Northern outer-suburban	Peak only	8 car class 365, 387 or 700	1 train per day	Huntingdon, St. Neots, Biggleswade, Stevenage	see notes about Great Northern peak hours
	KXS16		Peterborough (fast)	London Kings Cross	Great Northern outer-suburban	AM shoulder-peak	8 or 12-car Class 365	1 train per day	Huntingdon, St. Neots, Biggleswade, Stevenage	ref. 1P17 09:18 PBO - KGX
	KXS17		London Kings Cross	Peterborough (fast)	Great Northern outer-suburban	AM contra-peak	8 or 12-car Class 365	1 train per day	Stevenage, Biggleswade, St. Neots, Huntingdon	one train depart KGX between 0730 and 0748
	KXS18		London Kings Cross	Peterborough (fast)	Great Northern outer-suburban	post-evening peak	8 or 12-car Class 365	60 min interval	Stevenage, Biggleswade, St. Neots, Huntingdon	hourly between 1900 and 2315
	KXS19		Peterborough (fast)	London Kings Cross	Great Northern outer-suburban	PM contra-peak (first train after 18:00) and post-PM peak	8 or 12-car Class 365 or 12-car Class 700	60 min interval	Huntingdon, St. Neots, Biggleswade	Trains departing Peterborough after 21:00 have additional stops e.g. Sandy, Arlesey, Hitchin, Stevenage and Finsbury Park. Refer to pre-Covid timetable for details
	KXS9		London Kings Cross	Cambridge	Great Northern outer-suburban	Off-peak	8-car Class 700/0	30 min interval; circa 16:55 -18:55 plus one at circa 19:55	Finsbury Park, Alexandra Palace, Potters Bar, Hatfield, Welwyn Garden City, Welwyn North, Knebworth, Stevenage, Hitchin, Letchworth, Baldock, Royston, Meldreth, Shepreth, Foxton	see notes about Great Northern peak hours.
	KXS10		London Kings Cross	Cambridge	Great Northern outer-suburban	Off-peak	8-car Class 700/0	30 min interval	Finsbury Park, Alexandra Palace, Potters Bar, Hatfield, Welwyn Garden City, Welwyn North, Knebworth, Stevenage, Hitchin, Letchworth, Baldock, Royston, Meldreth, Shepreth, Foxton	see notes about Great Northern peak hours.
	KXS11		Cambridge	London Kings Cross	Great Northern outer-suburban	AM peak	8-car Class 700/0	30 min interval	Foxton, Shepreth, Meldreth, Royston, Ashwell & Morden, Baldock, Letchworth Hitchin, Stevenage, Welwyn North	see notes about Great Northern peak hours.
	KXS12		Cambridge	London Kings Cross	Great Northern outer-suburban	AM peak	8-car Class 700/0	30 min interval	Foxton, Shepreth, Meldreth, Royston, Ashwell & Morden, Baldock, Letchworth Hitchin, Stevenage, Welwyn North	see notes about Great Northern peak hours.
	KXS13		London Kings Cross	Cambridge	Great Northern outer-suburban	PM peak	8-car Class 700/0	30 min interval	Welwyn North, Knebworth, Stevenage, Hitchin, Letchworth, Baldock, Ashwell & Morden, Royston, Meldreth, Shepreth, Foxton	see notes about Great Northern peak hours.
	KXS14		London Kings Cross	Cambridge	Great Northern outer-suburban	PM peak	8-car Class 700/0	30 min interval	Welwyn North, Knebworth, Stevenage, Hitchin, Letchworth, Baldock, Ashwell & Morden, Royston, Meldreth, Shepreth, Foxton	see notes about Great Northern peak hours.
	KXS15		London Kings Cross	Cambridge	Great Northern outer-suburban	post-evening peak	8-car Class 387 or 700/0	Two trains departing King's Cross circa 2100 and 2200	(Finsbury Park), Welwyn North, Knebworth, Stevenage, Hitchin, Letchworth, Baldock, Ashwell & Morden, Royston, Cambridge.	Finsbury Park stop is optional
	TL1		Thameslink Core (Horsham)	Peterborough	Thameslink outer-suburban	All day	12-car Class 700/1	30 min interval	... St.Pancras LL, Finsbury Park, Stevenage, Hitchin, Arlesey, Biggleswade, Sandy, St. Neots, Huntingdon	
	TL2		Thameslink Core (Horsham)	Peterborough	Thameslink outer-suburban	All day	12-car Class 700/1	30 min interval	... St.Pancras LL, Finsbury Park, Stevenage, Hitchin, Arlesey, Biggleswade, Sandy, St. Neots, Huntingdon	
	TL3		Thameslink Core (Brighton)	Cambridge	Thameslink outer-suburban	All day	12-car Class 700/1	30 min interval until 1930 southbound and 2030 northbound at St Pancras LL; then 60 minute interval afterwards	... St.Pancras LL, Finsbury Park, Stevenage, Hitchin, Letchworth, Baldock, Ashwell & Morden, Royston	
	TL4		Thameslink Core (Brighton)	Cambridge	Thameslink outer-suburban	All day	12-car Class 700/1	30 min interval	... St.Pancras LL, Finsbury Park, Stevenage, Hitchin, Letchworth, Baldock, Ashwell & Morden, Royston	
	TL7		Thameslink Core (Sevenoaks)	Welwyn Garden City	Thameslink inner-suburban	Peak only	8-car Class 700/0	30 min interval	... St. Pancras LL, Finsbury Park, New Southgate, Oakleigh Park, New Barnet, Potters Bar, Hatfield	
	TL8		Thameslink Core (Sevenoaks)	Welwyn Garden City	Thameslink inner-suburban	Peak only	8-car Class 700/0	30 min interval	... St. Pancras LL, Finsbury Park, New Southgate, Oakleigh Park, New Barnet, Potters Bar, Hatfield	
	MS1		Moorgate	Welwyn Garden City	Great Northern inner-suburban	All day	6-car Class 717	30 min interval	all stations	does not call at Homsey and Harringay in peak
	MS2		Moorgate	Welwyn Garden City	Great Northern inner-suburban	All day	6-car Class 717	30 min interval	all stations	does not call at Homsey and Harringay in peak
	MS3		Moorgate	Welwyn Garden City	Great Northern inner-suburban	All day	6-car Class 717	30 min interval	all stations, except Homsey and Harringay	
	MS4		Moorgate	Welwyn Garden City	Great Northern inner-suburban	All day	6-car Class 717	30 min interval	all stations, except Homsey and Harringay	
	MS5		Moorgate	Stevenage (via Hertford loop)	Great Northern inner-suburban	All day	6-car Class 717	30 min interval	All stations between Moorgate and Gordon Hill, Cuffley, Hertford North, Watton-at-Stone	Peak calling patterns TBC subject to rolling stock limitations (22 diagrams). Stations between Enfield Chase and Bowes Park must have 6 tph in high peak hour (in peak direction only). Crews Hill & Bayford must have 4tph in high peak hour (in peak direction only).
	MS6		Moorgate	Stevenage (via Hertford loop)	Great Northern inner-suburban	All day	6-car Class 717	30 min interval	All stations between Moorgate and Gordon Hill, Cuffley, Hertford North, Watton-at-Stone	
	MS7		Moorgate	Hertford North	Great Northern inner-suburban	All day	6-car Class 717	30 min interval	all stations	
	MS8		Moorgate	Hertford North	Great Northern inner-suburban	All day	6-car Class 717	30 min interval	all stations	
	MS9		Moorgate	Hertford North or Gordon Hill	Great Northern inner-suburban	Peak only	6-car Class 717	30 min interval	all stations, except Crews Hill and Bayford	
	MS10		Moorgate	Hertford North or Gordon Hill	Great Northern inner-suburban	Peak only	6-car Class 717	30 min interval	all stations, except Crews Hill and Bayford	
	MS11		Moorgate	Gordon Hill	Great Northern inner-suburban	Peak only	6-car Class 717	30 min interval	all stations	
	MS12		Moorgate	Gordon Hill	Great Northern inner-suburban	Peak only	6-car Class 717	30 min interval	all stations	

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	ID	Option / scenarios		From	To	Train Operator or Service group	Peak/off-peak variations	Typical stock / trailing load	Service Pattern	Suggested calling pattern (portion affecting ECML)	Notes
Anglia & EMR	XC-IU1		IU (S)	Stansted Airport	Birmingham New Street	CrossCountry	All day	2-car or 3-car Class 170	60 min interval	... March, Peterborough, Stamford...	
	XC-IU2			Norwich	Nottingham	East Midlands Rail	All day	2-car Class 170	60 min interval	... March, Peterborough, Grantham...	The first two departures from Nottingham to Norwich operate via Stamford rather than ECML
	EA1			Peterborough	Ipswich	Abellio Greater Anglia	All day	3-car / 4-car bi-mode Class 755	120 min interval	Whittlesea...	
	EM1			Peterborough (via Spalding)	Lincoln	East Midlands Rail	All day	2-car Class 170	15 trains per day	Spalding, Sleaford, Ruskington, Metheringham, Lincoln	
	EM2			Nottingham	Skegness	East Midlands Rail	All day	2-car Class 170	60 min interval	... Grantham (reverse)...	as close to 30-minute interval with XC-IU2 between Nottingham and Grantham
	EM4			Newark Northgate	Lincoln	East Midlands Rail	All day	2-car Class 170	60 min interval	Collingham, Hykeham	as close to 30-minute interval with EM5 between Newark and Lincoln
	EM5			Leicester / Nottingham	Lincoln / Grimsby	East Midlands Rail	All day	2-car Class 170	60 min interval	...Newark Castle, Collingham, Swinderby, Hykeham, Lincoln...	crosses ECML at Newark flat crossing; extends to Grimsby every 2 hours
	EM6			Sleaford / Lincoln / Peterborough	Doncaster (via Finningley)	East Midlands Rail	All day	2-car Class 170	5 trains per day	...Saxilby, Gainsborough Lea Road	
	NTP1		Interurban (N)	Liverpool Lime Street	Newcastle Edinburgh	TransPennine Express	All day	5-car Class 802 bi-mode	60 min interval	... Leeds, York, Northallerton, Darlington, Durham, Chester-le-Street, Newcastle, (Morpeth)-(Reston)	see notes about calling pattern between Newcastle and Edinburgh
	NTP2			Manchester Airport	Thirsk Newcastle (possible extension to Middlesbrough)	TransPennine Express	All day	3-car Class 185 6-car Class 802 bi-mode	60 min interval	... Leeds, York	
	NTP3			Manchester Airport	Salisbury Redcar Central	TransPennine Express	All day	Class 68 + 5x Mk5 trailers	60 min interval	... Leeds, York, Thirsk, Northallerton, Yarm, Middlesbrough, Redcar Central	
	NTP4			Liverpool Lime Street	Scarborough	TransPennine Express	All day	Class 68 + 5x Mk5 trailers or Class 185	60 min interval	... Garforth, Leeds, York, Malton, Seamer	
	NTP5			Manchester Piccadilly	Hull	TransPennine Express	Off peak	3-car or 6-car Class 185	60 min interval	... Leeds, Selby...	
	NTP6			Manchester Piccadilly	Hull	TransPennine Express	Peak	3-car or 6-car Class 185	60 min interval	... Leeds, Cross Gates, Garforth, Selby...	
	NTP7			Huddersfield (via Dewsbury)	Leeds	TransPennine Express	All day	3-car Class 185 (6-car in peak)	60 min interval	... Batley, Morley, Cottingley	
	NTP8			Manchester Piccadilly	York (via Wakefield Kirkgate)	TransPennine Express	All day	6-car Class 185	60 min interval	...Huddersfield, Wakefield Kirkgate	via Castleford
	STP1			Manchester Airport	Cleethorpes	TransPennine Express	All day	3-car or 6-car Class 185	60 min interval	...Meadowhall, Doncaster, Scunthorpe...	TPE to advise which services are 6-car for platforming at Doncaster
	NC1			Sheffield	Scarborough (via Goole and Hull)	Northern	All day	2-car / 3-car Class 170	60 min interval	...Meadowhall, Doncaster, Goole...	timed as DMU(E)
	NC2			Sheffield	Leeds Bradford Interchange (via Moorthorpe and Leeds)	QJ path Northern	All day	2-car / 3-car Class 195	60 min interval	Meadowhall, Wakefield Westgate, Leeds (reverse)-Bramley---	Passive provision in timetable for this service which could be operated by Northern or used by TPE as a future Trans-Pennine Route Upgrade diversionary service. Runs on opposite half-hour to XC1 between Sheffield and Leeds if possible
	NC3			Blackpool North	York	Northern	All day	2-car / 3-car Class 195	60 min interval	... New Pudsey, Leeds, Garforth, Church Fenton	
	NC10			Hebden Bridge (via Bradford Interchange)	York	Northern	AM high-peak hour only	2-car / 3-car Class 195	n/a	... New Pudsey, Leeds, Garforth, Micklefield, Ulleskelf	
	NC4			Carlisle	Newcastle Middlesbrough (via Sunderland)	Northern	All day	Class 158	60 min interval	Wetheral, Brampton, Haltwhistle, Bardon Mill, Haydon Bridge, Hexham, Prudhoe, Metrocentre, Newcastle, Sunderland, Hartlepool, Stockton, Thornaby	
	NC5			Leeds	Lincoln (via Barnsley)	Northern	All day	2-car / 3-car Class 195	60 min interval	Wakefield Kirkgate, Barnsley, Meadowhall...	
	NC7			Leeds	Manchester Victoria (via Bradford Interchange)	Northern	All day	2-car / 3-car Class 195	60 min interval	Bramley, New Pudsey...	extension to Manchester Airport subject to Manchester Rail Taskforce changes
LOCAL (Yorkshire)	NC8			Leeds	Chester (via Bradford Interchange)	Northern	All day	2-car / 3-car Class 195	60 min interval	Bramley, New Pudsey...	
	NC9			Leeds	Nottingham (via Barnsley and Sheffield)	Northern	All day	2-car Class 195	60 min interval	Wakefield Kirkgate, Barnsley, Meadowhall...	
	Y1			York	Scarborough	Northern	All day	DMU	60 min interval	Malton, Seamer	
	Y2			Sheffield	York (via Rotherham Central and Pontefract)	Northern	Off-peak	DMU	3 trains per day	... Ulleskelf, York	one train per day to and from York in peak hours
	Y3			Bridlington / Hull	York (via Sherburn)	Northern	All day	DMU	60 min interval	... Church Fenton, (Ulleskelf), York	at least one return working direct via Hambleton North for route retention
	Y4			Selby	York (via Sherburn)	Northern	AM high-peak hour only	3-car Class 170	1 tpd	Sherburn-in-Elmet, Church Fenton	
	Y5			York	Selby (via Hambleton North)	Northern	AM high-peak hour and shoulder peak hour only	3-car Class 170	2 tpd		
	Y6			Leeds	York (via Poppleton)	Northern	All day	3-car Class 170	30 min interval	Burley Park, Headingley, Horsforth, Weeton, Pannal, Horbeam Park, Harrogate, Starbeck, Knaresborough, Cattal, Hammerton, Poppleton	
	Y7			Leeds	York (via Poppleton)	Northern	All day	3-car Class 170		Burley Park, Headingley, Horsforth, Weeton, Pannal, Horbeam Park, Harrogate, Starbeck, Knaresborough, Cattal, Hammerton, Poppleton	
	Y8			Leeds	Harrogate	Northern	All day	3-car Class 170	30 min interval	Horsforth and Horbeam Park only	
	Y9			Leeds	Harrogate	Northern	All day	3-car Class 170		Horsforth and Horbeam Park only	reduce to hourly when LNER Harrogate service runs
	Y10			Leeds	York (via Micklefield)	Northern	All day	DMU	60 min interval	Cross Gates, Garforth, East Garforth, Micklefield	
	Y11			York (via Micklefield)	Leeds	Northern	AM high-peak hour only	DMU	1 tpd	Ulleskelf, Church Fenton, Cross Gates	
	Y12			Leeds	York (via Micklefield)	Northern	PM high-peak hour only	DMU	1 tpd	Cross Gates, Garforth, Ulleskelf	
	Y13			Selby	Leeds	Northern	AM high-peak hour and shoulder peak hour only	DMU	2 tpd	South Milford, Micklefield, East Garforth, Cross Gates	
	Y14			Selby	Leeds	Northern	PM shoulder peak hour only	DMU	1 tpd	South Milford, Micklefield, East Garforth, Cross Gates	
	Y15			Leeds	Selby	Northern	AM early peak only	DMU	1 tpd	Cross Gates, Garforth, East Garforth, Micklefield, South Milford	refer to 2K90 06:19 LDS - SBY
	Y16			Leeds	Selby	Northern	PM high-peak hour only	DMU	1 tpd	Cross Gates, Garforth, East Garforth, South Milford	
	Y17			Halifax (via Bradford)	Hull	Northern	All day	DMU	60 min interval	...Bramley, Leeds, Cross Gates, Garforth, East Garforth, Micklefield, South Milford...	
	Y18			Leeds	Wigan (via Dewsbury)	Northern	All day	Class 158	60 min interval	Cottingley, Morley...	
	Y19			Hebden Bridge (via Bradford Interchange)	Leeds	Northern	AM high-peak hour only	DMU	1 tpd	New Pudsey, Bramley	
	Y20			Bradford Interchange	Huddersfield	Northern	All day	DMU	60 min interval	Low Moor, Halifax, Brighouse	
	Y21			Castleford	Huddersfield	Northern	All day	DMU	60 min interval	Normanton, Wakefield Kirkgate, Mirfield, Deighton	
	Y22			Leeds	Sheffield (via Castleford and Barnsley)	Northern	All day	DMU	60 min interval	Woodlesford, Castleford, Normanton, Wakefield Kirkgate; then all stations to Meadowhall	
	Y23			Knottingley / Goole (via Castleford)	Leeds	Northern	All day	DMU	60 min interval	Woodlesford, Castleford...	1 tpd a.m. high peak start back from Goole, all stations to Knottingley via Snaith 1 tpd late evening start back from Goole (see 2F70) 1 tpd p.m high peak extended to Goole, all stations from Knottingley via Snaith
	Y24			Knottingley (via Castleford)	Leeds	Northern	AM high-peak hour only	DMU	1 tpd	... Castleford, Woodlesford	
	Y25			Knottingley	Leeds (via Wakefield Westgate)	Northern	All day	DMU	60 min interval	... Wakefield Kirkgate, Wakefield Westgate, Outwood	
	Y26			Doncaster	Leeds (via Wakefield Westgate)	Northern	All day	3-car Class 333	60 min interval	Doncaster, Bentley, Adwick, South Elmsall, Fitzwilliam, Sandal and Agbrigg, Wakefield Westgate, Outwood, Leeds	as close to 30-minute interval with Y29 between Leeds and Fitzwilliam
	Y27			Doncaster	Leeds (via Wakefield Westgate)	Northern	AM high-peak hour and shoulder peak hour only	3-car Class 333	2 tpd	Doncaster, Bentley, Adwick, South Elmsall, Fitzwilliam, Sandal and Agbrigg, Wakefield Westgate, Outwood, Leeds	
	Y28			Leeds (via Wakefield Westgate)	Doncaster	Northern	PM high-peak hour only	3-car Class 333	1 tpd	Doncaster, Bentley, Adwick, South Elmsall, Fitzwilliam, Sandal and Agbrigg, Wakefield Westgate, Outwood, Leeds	
	Y29			Sheffield	Leeds (via Moorthorpe and Wakefield Westgate)	Northern	All day	DMU	60 min interval	...Moorthorpe, Fitzwilliam, Sandal and Agbrigg, Wakefield Westgate, Outwood, Leeds	as close to 30-minute interval with Y25 between Leeds and Fitzwilliam
	Y30			Sheffield	Adwick	Northern	All day	DMU	60 min interval	...Conisbrough, Doncaster, Bentley, Adwick	
	Y31			Sheffield	Hull	Northern	All day	DMU	60 min interval	Doncaster, Kirk Sandall...	
	Y32			Doncaster	Scunthorpe	Northern	All day	DMU	60 min interval	...Conisbrough, Doncaster, Kirk Sandall...	
	LDSNW1			Leeds	Skipton	Northern	All day	3-car Class 331 (6-car in peak)	30 min interval	Shipley, Saltaire, Bingley...	
	LDSNW2			Leeds	Skipton	Northern	All day	3-car Class 331 (6-car in peak)		Shipley, Saltaire, Bingley...	
	LDSNW3			Skipton	Leeds	Northern	AM high-peak hour and shoulder peak hour only	6-car Class 331	2 tpd	Ben Rhydding, Burley-in-Wharfedale, Menston, Guiseley	
	LDSNW4			Skipton	Leeds	Northern	PM peak only	6-car Class 331	1 tpd	Ben Rhydding, Burley-in-Wharfedale, Menston, Guiseley	
	LDSNW5			Leeds	Skipton	Northern	PM peak only	6-car Class 331	1 tpd	Guiseley, Menston, Burley-in-Wharfedale, Ben Rhydding	
	LDSNW6			Leeds	Ilkley	Northern	All day	3-car Class 331 (6-car in peak)	30 min interval	Guiseley, Menston, Burley-in-Wharfedale, Ben Rhydding	
	LDSNW7			Leeds	Ilkley	Northern	All day	3-car Class 331 (6-car in peak)		Guiseley, Menston, Burley-in-Wharfedale, Ben Rhydding	
	LDSNW8			Ilkley	Leeds	Northern	AM high-peak hour and shoulder peak hour only	6-car Class 331	2 tpd	Ben Rhydding, Burley-in-Wharfedale, Menston, Guiseley	
	LDSNW9			Ilkley	Leeds	Northern	PM peak only	6-car Class 331	1 tpd	Ben Rhydding, Burley-in-Wharfedale, Menston, Guiseley	
	LDSNW10			Leeds	Ilkley	Northern	PM peak only	6-car Class 331	1 tpd	Guiseley, Menston, Burley-in-Wharfedale, Ben Rhydding	
	LDSNW11			Leeds	Bradford Forster Square	Northern	All day	3-car Class 331 (6-car in peak)	30 min interval	Kirkstall Forge, Apperley Bridge, Shipley, Frizinghall	
	LDSNW12			Leeds	Bradford Forster Square	Northern	All day	3-car Class 331 (6-car in peak)		Kirkstall Forge, Apperley Bridge, Shipley, Frizinghall	
	LDSNW13			Bradford Forster Square	Skipton	Northern	All day	3-car Class 331 (6-car in peak)	30 min interval	Frizinghall, Shipley, Saltaire, Bingley...	
	LDSNW14			Bradford Forster Square	Skipton	Northern	All day	3-car Class 331 (6-car in peak)		Frizinghall, Shipley, Saltaire, Bingley...	
	LDSNW15			Bradford Forster Square	Ilkley	Northern	All day	3-car Class 331 (6-car in peak)	30 min interval	Frizinghall, Shipley, Baildon, Guiseley, Menston, Burley-in-Wharfedale, Ben Rhydding	
	LDSNW16			Bradford Forster Square	Ilkley	Northern	All day	3-car Class 331 (6-car in peak)		Frizinghall, Shipley, Baildon, Guiseley, Menston, Burley-in-Wharfedale, Ben Rhydding	
	LDSNW16			Leeds	Lancaster / Morecambe / Heysham	Northern	All day	DMU	7 trains per day	Shipley, Bingley, Keighley, Skipton...	1 tpd arrive Leeds am peak, 1 tpd depart Leeds pm peak
	LDSNW17			Leeds	Carlisle	Northern	All day	DMU	8 trains per day	Shipley, Bingley, Keighley, Skipton....	1 tpd arrive Leeds am peak

Train Service Specification for ECML ESG May 2022 [SX]: Industry PMO version

	ID	Option / scenarios		From	To	Train Operator or Service group	Peak/off-peak variations	Typical stock / trailing load	Service Pattern	Suggested calling pattern (portion affecting ECML)	Notes
	NE1		LOCAL (North East)	Saltburn	Bishop Auckland	Northern	All day	DMU	60 min interval (opposite half hour to NE2)	all stations between Saltburn and Darlington all stations between Darlington and Bishop Auckland	excluding British Steel Redcar and Teesside Airport
	NE2			Saltburn	Darlington	Northern	All day	DMU	60 min interval (opposite half hour to NE1)	all stations	excluding British Steel Redcar and Teesside Airport
	NE3			Hexham	Newcastle	Northern	All day	DMU	60 min interval	all stations between Hexham and Newcastle	
	NE11			Newcastle	Middlesbrough (via Sunderland)	Northern	All day	DMU	60 min interval	Heworth, Sunderland, Seaham, Horden, Hartlepool, Seaton Carew, Billingham, Stockton, Thornaby	
	NE12			Middlesbrough	Nunthorpe	Northern	All day	DMU	60 min interval	James Cook Hospital, Marton, Gypsy Lane	
	NE13			Middlesbrough	Whitby	Northern	All day	DMU	8 trains per day	all stations	
	NE5			Darlington	Newcastle	Northern	AM peak	DMU	3 trains per day	Durham, Chester-le-Street	Newcastle direction only
	NE14			Newcastle	Darlington	Northern	All day	DMU	1 train per day	Chester-le-Street, Durham	Darlington direction only, see 2A55
	NE6			Carlisle	Newcastle	Northern	All day	DMU	60 min interval	Haltwhistle, Hexham, Prudhoe, Metrocentre	some morning peak arrivals and evening peak departures at Newcastle will call at additional stations
	NE7			Newcastle	Chathill	Northern	Peak only	DMU	2 trains per day	Manors, Cramlington, Morpeth, Pegswood, Widdrington, Acklington, Alnmouth, Chathill	
	NE8			Newcastle	Morpeth	Northern	All day	DMU	60 min interval	Manor, Cramlington, Morpeth	
	NE9	Option		Newcastle	Ashington	tbc	All day	DMU	30 min interval	(Manors), Northumberland Park, Seaton Delaval, Newsham, Blyth Bebside, Bedlington	Third Party-funded Northumberland Line ("Ashington Blythe & Tyne") project. Passive provision in WTT for target entry into service is December 2023
	NE10	Option		Newcastle	Ashington	tbc	All day	DMU		(Manors), Northumberland Park, Seaton Delaval, Newsham, Blyth Bebside, Bedlington	Third Party-funded Northumberland Line ("Ashington Blythe & Tyne") project. Passive provision in WTT for target entry into service is December 2023
	NE-TWM			Pelaw	South Hylton	Nexus	All day	Class 399 Tyne & Wear Metro units	12 min interval	all stations between Pelaw and South Hylton	
	SC1		LOCAL (Scot)	North Berwick	Edinburgh Waverley	ScotRail	All day	6-car Class 385	60 min interval	North Berwick, Drem, Longniddry, Prestonpans, Wallyford, Musselburgh, Edinburgh	3-car or 6-car off peak
	SC2			North Berwick	Edinburgh Waverley	ScotRail	Peak only	6-car Class 385	opposite half-hour to SC1	North Berwick, Drem, Longniddry, Prestonpans, Wallyford, Musselburgh, Edinburgh	2 additional services in AM and PM peak direction
	SC3			Dunbar	Edinburgh Waverley	ScotRail	Off-peak	6-car Class 385	120 min interval	Dunbar, Musselburgh, Edinburgh	5 tpd Up, 5 tpd Down Minimum service requirement based on Firm Rights. Passive provision in schedule for additional East Linton stop
	SC3a	Option		Dunbar	Edinburgh Waverley	ScotRail	Off-peak	6-car Class 385	60 min interval	Dunbar, Musselburgh, Edinburgh	Hourly service can be offered if ScotRail can resource it . Passive provision in schedule for additional East Linton stop
	SC4			Tweedbank	Edinburgh Waverley	ScotRail	All day	Class 170	30 min interval	... Brunstane, Edinburgh	Some peak services may be 170 + 158 or 170 + 170 operation for capacity
	SC5			Tweedbank	Edinburgh Waverley	ScotRail	All day	Class 170		... Brunstane, Edinburgh	Some peak services may be 170 + 158 or 170 + 170 operation for capacity