DOCUMENT 1: relevant extracts from initial draft TSR tables prepared by the Department for Transport's technical advisors, dated 11 Dec 2014

Table TPE 1A: December 2017 TSR1 Eastbound and southbound direction from Manchester stations Monday-Friday

First and last services, minimum station calls and connectivity requirement

_	То	First service departs Manchester no later than	Last service departs Manchester no earlier than	02:00 - 06:59	07:00 - 09 59	10:00 - 5:59	thester during s	19:00 - 2 :59	22:00 - 01:59	Journey time requirements	
From	Stockport	06:15	21:15	1	3	6	3	3	0	requirements	Notes In addition to the services shown in the specified interval columns the following shall be
-	Ch nley	- 00.13		0	0	0	0	0	0		provided:
			-		0		0	0			One service shall depart Sheffield no later than 07:15 which shall call at a minimum of
	Dore & Totley	07:30	20:15	0	1	0	2	2	0		Meadowhall Doncaster Scunthorpe Barnetby Habrough Grimsby Town and Cleethorpes.
L	SHEFFIELD	06:15	23:45	1	3	6	3	3	2		- One service shall depart Sheffield no later than 21:45 which shall call at a minimum of
	Meadowha I	07:30	21:15	0	3	6	3	3	0		Meadowhall Doncaster Scunthorpe Barnetby Habrough Grimsby Town and Cleethorpes.
	DONCASTER	07:30	21:15	0	3	6	3	3	0		One service departing Manchester after 21:00 may additionally call at Kirk Sandall Hatfield
	Scunthorpe	07:30	21:15	0	3	6	3	3	0		& Stainforth Thorne South Crowle and Althorpe stations.
	Barnetby	07:30	21:15	0	3	6	3	3	0		
Ī	Habrough	08:30	21:15	0	1	3	1	3	0		Services operating from Manchester Airport to Manchester in fulfilment of the requirements specified in table TPE 1B may also be counted towards the requirements
	Grimsby Town	07:30	21:15	0	3	6	3	3	0		specified in this table TPE 1A.
	CLEETHORPES	07:30	21:15	0	3	6	3	3	0		
-	Stalybridge	06:15	23:00	1	3	6	3	3	2		Services operating from Liverpool Lime Street and Manchester Airport to Manchester in
-	Mossley Greater Manchester) Greenf eld	06:15	23:00	1	3	6	3	3	2		fulfilment of the requirements specified in table TPE 1B may also be counted towards the requirements specified in this table TPE 1A.
-	Greent eld Marsden	20:15	23:00	0	0	0	0	2	2	-	requirements specified in this table. TPE DA.
F	Slaithwaite	06:15	23:00	1	3	6	3	3	2		†
	Huddersfield	04 45	23:45	6	15	30	15	15	6		
1	Dewsbury	06:15	23:45	1	3	6	3	3 15	3		
-	LEEDS Garforth	04 45	00:45	6	15	30 6	15	15	6		
F	YORK	04.45	00:45	5	12	24	12	12	4		
F	South M Iford			0	0	0	0	2	0		
	Se by	06:15	21:00	1	3	6	3	3	0		
	Howden	-	-	1	0	0	2	2	0		For departures between 17:00 and 20:59 at Manchester four services shall call at Howden.
-	G Iberdyke	-	21:00	0	0	0	0	0	0		
-	Brough HULL	06:15	21:00	1	3	6	3	3	0		
-	HOLE	00.13	21.00		3	_	3	,	Ů		Facility of the face of the second time Phone and State the state of the second time of t
MANCHESTER (OXFORD ROAD, PICCADILLY,	Maton	06: 0	19:15	1	3	6	3	1	0		Services operating from Liverpool Lime Street and Manchester Airport to Manchester in fulfilment of the requirements specified in table TPE 18 may also be counted towards the requirements specified in this table TPE 1A.
VICTORIA)	Seamer	06: 0	19:15	1	3	6	3	1	0		In addition to the services shown in the specified interval columns the following shall be provided: - One service shall depart York no later than 06:45 which shall call at Malton Seamer and
	SCARBOROUGH	06: 0	19:15	1	3	6	3	1	0		Scarborough Three services shall depart York between 21:00 and 23:59 and each shall call at Malton Seamer and Scarborough.
	Thirsk	07 00	20:30	1	3	6	3	2	0		In addition to the services shown in the specified interval columns: the following shall be provided: One service shall depart York no later than 06:00. One service shall depart York no later than 07:30. One service shall depart York no later than 07:30. Choe service shall depart York no earlier than 21:00. Each of these shall call at Thirsk Northallerton Yarm Thornaby and Middlesbrough and once all at Yarming be substituted by a call to Parlington.
_	Northallerton	04 45	20:30	4	6	12	6	2	0		
	Yarm	07 00	8:45	1	3	6	3	0	0		One specified call at Yarm may be substituted by a call at Darlington. Services operating from Liverpool Lime Street and Manchester Airport to Manchester in fulfillment of the requirements specified in bable TPE 18 may also be counted towards the requirements yeelfed in this table TPE 1A.
ŀ	Thornaby	07 00	8:45	1	3	6	3	0	0		The state of the s
	MIDDLESBROUGH	07 00	8:45	1	3	6	3	0	0		
Ī	Darl ngton	04 45	20:30	3	3	6	3	2	0		Services operating from Liverpool Lime Street and Manchester Airport to Manchester in
	Durham	04 45	20:30	3	3	6	3	2	0		fulfilment of the requirements specified in table TPE 1B may also be counted towards the
Į	Chester-le-Street	04 45	20:30	2	2	3	1	2	0		requirements specified in this table TPE 1A.
	NEWCASTLE	04 45	20:30	3	3	6	3	2	0		
Į.	Mauldeth Road			0	0	0	0	2	1		Services operating from York Leeds and Carlisle to Manchester in fulfilment of the
-	Burnage East Didsbury	-	-	0	0	0	0	2	1		requirements specified in table TPE 1B may also be counted towards the requirements
		-	-								specified in this table TPE 1A.
ŀ											
ļ.	Gatley Heald Green	-	-	0	0	0	3	2	2		

First and last services, minimum station calls and connectivity requirements

d last services, minimum station	, , ,						-t dt	officed teatures.			
		First service	Last service		Minimum arr	ivals at Manche	ster during spe	ified interval			
		arrives	arrives								
From	To	Manchester no later than	Manchester no earlier than	02:00 - 06:59	07:00 - 09:59	0:00 - 15:59	16:00 - 8:59	19:00 - 21:59	22:00 - 0 :59	Journey time requirements	Notes
MANCHES ER AIRPOR		04:45	00:45	5	12	24	12	11	5		Between 06:00 and 08:93 at Manchester three specified services shall continue to either Clasgow Central or Girbutupit Warerley. Between 09:00 and 39:59 at Manchester one specified service per hour shall continue to either Glasgow Central or Gidhough Waverley. After 20:00 at Manchester one specified service shall continue to either Glasgow Central or Girbutupit Waverley. Before 05:00 at Manchester one specified service shall continue to York. Between 06:00 and 39:59 at Manchester two specified services per hour shall continue to teeds of which one per hour shall further continue to York.
											Between 2000 and 22:59 at Manchester one specified service per hour shall continue to York. After 23:00 at Manchester two specified services shall continue to Huddersfield of which one shall continue to York. Between 06:00 and 23:59 at Manchester one specified service per hour shall continue to Sheffield. Fiften of these shall then continue to Cleethorpes. See also table TPE IA.
Heald Green			-	1	1	0	0	1	1		
Gat ey East Didsbury		-	-	0	0	0	0	1	1		
Burnage		-	-	0	0	0	0	1	1		
Mauldeth Road		-	-	0	0	0	0	1	1		
NEWCAS LE		08:15	00:30	0	2	6	3	3	3		The spec fied services arriving at Manchester between 08:00 and 23:59 shall continue to Manchester Airport or Liverpool.
Chester e Street		08:15	22:00	0	1	3	2	2	1		municities of Amport of Exemplois.
Durham Darl noton		08:15 08:15	00:30	0	2	6	3	3	3		
Danington		08:15	00:30	- 0	2		3	3	3		The spec fied services arriving at Manchester between 07:00 and 20:59 shall continue to
MIDOLESBROUGH		08:00	20:45	0	3	6	3	2	0		If eight end services shriving is wannings to expect end was as a signal number of manderster Argon to tweppod. In addition to the services shown in the specified internal columns, three services shall be provided from Medichstowing between 500 and 2159 which shall call all an innimum of thornaby. Yarm Northallerton Thirsk and York. One of these services may continue to Leeds and one call at Yarm may be substituted by a call as Indington.
hornaby		08:00	20:45	0	3	6	3	2	0		
Yarm		08:00	20:45	0	3	6	3	2	0		One specified call at Yarm may be substituted by a call at Darlington.
Northallerton hirsk		08:00	00:30 20:45	0	5	12 6	6	5	3		
											The spec fied services arriving at Manchester between 08:00 and 22:59 shall continue to
SCARBOROUGH	MANCHESTER (OXFORD	08:30	22:15	0	3	6	3	3	1		Manchester Airport or Liverpool.
Seamer Malton	ROAD, PICCADILLY, VICTORIA)	08:30	22:15	0	3	6	3	3	1		In addition to the services shown in the specified interval columns three services shall be provided from Scarborough between 21:00 and 23:59 which shall call at a minimum of all
HULL		07:45	21:45	0	3	6	3	3	0		intermediate stations to York. In addition to the services shown in the specified interval columns one service shall be
Brough		07:45	21:45	0	3	6	3	3	0		provided from Hull between 20:00 and 20:59 which shall call at a minimum of Brough
Gi berdyke Howden		-	-	0	1	0	0	0	0		Selby South Milford and Leeds.
Selby		07:45	21:45	0	3	6	3	3	0		One further service shall depart from Hull no earlier than 21:30 which shall call at a
South Milford			-	0	0	0	0	0	0		minimum of Brough Gilberdyke Selby South Milford and Leeds.
YORK		03:45	00:30	5	11	24	12	12	6		The services shown in the specified interval columns shall provide as a minimum from from the following. Between 0700 and 23.59 at Manchester one specified service per hour from York shall continue to tween 03.00 and 00.59 at Manchester one specified service per hour from York shall be the one 03.00 and 00.59 at Manchester one specified service per hour from York shall continue to Manchester Airport and these trains shall call at each of Manchester Victoria Manchester Ordord Road and Manchester Piccadilly as soon as reasonably practicable after the necessary infrature has been commissioned by Network Rail.
Garforth		05:30	23:45	2	4	6	3	3	3		In addition to the services shown in the specified interval columns from York the
LEEDS		03:45	00:30	5	14	30	15	15	6		following shal be provided as a minimum from Leeds: Between 070.00 at 12:59 at Manchester one specified service per hour shall continue to Liverpool; Between 07.00 and 21:59 at Manchester one specified service per hour shall continue to Manchester Arport and these trains shall call at each of Manchester Victoria. Manchester Oxford Road and Manchester Piccality as soon as reasonably particable after the necessary infrastructure has been commissioned by Network Rail.
Dewsbury		07:15	00:30	0	3	6	3	3	1		See also table TPE 1A.
Huddersfie d		03:45	00:30	6	14	30	15	15	6		
Slaithwaite Marsden		07:45	20:45	0	3	6	3	0	0		
Greenf eld				ő	ő	0	0	0	0		
Moss ey (Greater Manchester) Stalybridge		07:45 07:45	20:45 21:45	0	3	6	3	2	0		
CLEE HORPES		07:45	23:00	0	1	6	3	3	2		The following notes refer to services from or via Sheffield:
Grimsby own		09:15	23:00	0	1	6	3	3	2		- Before 05:00 at Manchester one specified service shall continue to Manchester Airport.
Habrough Barnetby		09:15 09:15	20:00 23:00	0	1	3 6	1 3	2	0		- Between 06:00 and 22:59 at Manchester one specified service per hour shall continue to Manchester Airport.
Scunthorpe		09:15	23:00	0	1	6	3	3	2		Manchester Airport. - After 23:00 at Manchester one specified service shall continue to Manchester Airport.
DONCAS ER		07:15	23:00	0	2	6	3	3	2		
Meadowhall SHEFF ELD		07:15 05:00	23:00 23:00	0 2	2	6	3	3	2		See also table TPE 1A.
Dore & otley		-	-	0	2	0	0	0	0		In addition to the services shown in the specified interval columns one service shall be
Chin ey		-	-	0	1	0	0	0	0		provided from Cleethorpes to arrive at Sheffield no later than 07:00. It shall call at a minimum of Grimsby Town Habrough Barnetby Scunthorpe Althorpe Crowle Thorne
Stockport		07:15	23:00	0	3	6	3	3	2		South Hatfield and Stainforth Doncaster Meadowhall and Sheffield.
											0.000.000.000.000.000.000

DOCUMENT 2 (relevant extracts from Word doc dated 13 Dec 2014, file name "TPE TSR comments.doc")

TABLE 1A: From Manchester to...

[...]

Darlington/Durham/CLS/Newcastle

First 0500 / last 2100 (to reflect today's timetable). Suggest we should ask for 3 trains to Newcastle 1900-2159 preserving an hourly interval rather than the current near-two-hour gap, but leave intermediates at 2 (as now).

[...]

TABLE 1B: From ... to Manchester

[...]

From Newcastle/CLS/Durham/Darlington

Current first arrival I think is 0835. So should the spec be 0845? It's not necessarily the case that bidders' Newcastle trains will operate at the same minutes past the hour as in the MOIRA timetable. Also I think CLS has a later service (just after 2300 at Manchester) in the Dec 14 timetable, so should we push the last train back an hour and increase the 2200-0159 column (from 1 to 2)? Agree bidders should have the choice of MIA or LIV, but should not have the option to terminate at MAN. i.e. leave the note as drafted.

[...]

DOCUMENT 3 (relevant extracts from Excel spreadsheet dated 22 Dec 2014, file name "TPE TSR draft (for bidders)")

DRAFT IN CONFIDENCE

This document is confidential. It is a preliminary draft and you should be aware that the Department's position is subject to change and cannot be relied on at this stage. The Department's final requirements shall be as set out in the published Invitation to Tender.

This workbook is provided to bidders as a work-in-progress draft which attempts to reflect the Department's emerging train service requirements for weekdays from December 2017 onwards. These emerging requirements remain subject to approvals and are therefore liable to change. The contents of the workbook have not been subject to quality assurance and there are some known errors/anomalies (eg the quantum of Manchester-bound trains from York/Leeds/Huddersfield in the late evening). Bidders should also note that the requirements specified for 'occasional' calls are under review, the outcome of which will be reflected in the ITT. This draft TSR assumes a 5tph TPE pattern between Manchester and Leeds, but the Department is also considering the viability of the 6tph Manchester-Leeds variant which was discussed at Network Rail's IPG meeting on 19 December 2014.

If Bidders wish to do so, they are welcome to provide feedback in writing - particularly as regards the manner and clarity of presentation of the Department's requirements.

Table TPE 1A: December 2017 TSR1 Eastbound and southbound direction from Manchester stations Monday-Friday

First and last services, minimum station calls and connectivity requirement

				М	inimum depar	tures from Man	chester during s	pecified interva	al		
From	То	First service departs Manchester no later than	Last service departs Manchester no earlier than	02:00 - 06:59	07:00 - 09 59	10:00 - 5:59	16:00 - 8:59	19:00 - 2 :59		Journey time requirements	Notes
	Stockport	06:15	21:15	1	3	6	3	3	0		In addition to the services shown in the specified interval columns the following shall be
	Ch nley	-	-	0	0	0	0	0	0		provided:
	Dore & Totley	07:30	20:15	0	1	0	2	2	0		One service shall depart Sheffield no later than 07:15 which shall call at a minimum of
	SHEFFIELD	06:15	23:45	1	3	6	3	3	2		Meadowhall Doncaster Scunthorpe Barnetby Habrough Grimsby Town and Cleethorpes.
	Meannaha I										One service departing Manchester after 21:00 shall additionally call at Kirk Sandall Hatfield
		07:30	21:15	0	3	6	3	3	0		& Stainforth Thorne South Crowle and Althorpe stations.
	DONCASTER	07:30	21:15	0	3	6	3	3	0		
	Scunthorpe	07:30	21:15	0	3	6	3	3	0		Services operating from Manchester Airport to Manchester in fulfilment of the
	Barnetby	07:30	21:15	0	3	6	3	3	0		requirements specified in table TPE 1B may also be counted towards the requirements specified in this table TPE 1A.
	Habrough	08:30	21:15	0	1	3	1	3	0		specifica in una table. The art.
	Grimsby Town	07:30	21:15	0	3	6	3	3	0		
	CLEETHORPES	07:30	21:15	0	3	6	3	3	0		
	Stalybridge	06 00	23:15	2	6	12	6	6	3		Services operating from Liverpool Lime Street and Manchester Airport to Manchester in
1	Mossley Greater Manchester)	06:15	23:00			tt	oc .				fulfilment of the requirements specified in table TPE B may also be counted towards the
	Greenfeld Marsfen	20:15	23:00								requirements specified in this table TPE 1A.
	Slaithwaite	20:15	23:00 23:00								
	Huddersfield	04.45	23:45	6	15	30	15	10	6		<u> </u>
	Dewsbury	06 00	23:45	4	6	12	6	6	3		
	LEEDS	04 45	00:45	6	15	30	15	10	6		
							_		_		
	Garforth	06:30	00:45	1	3	6	3	6	3		
	South M Iford Se by	06:30	21:00	0	0 3	6	0 3	3	0		One service (which may be one of the specified services from Manchester) shall be provided departing from Leeds after 22:15 calling at South Milford Selby Brough and Hull.
	Se by Howden	- 00:30	21:00	1	0	0	2	2	0		provided departing from Leeds after 22:15 calling at South Milliord. Serby. Brough and Hull.
MANCHESTER (OXFORD	G Iberdyke	-	-	0	0	0	0	0	0		<u> </u>
ROAD, PICCADILLY,	Brough	06:30	21:00	1	3	6	3	3	0		
VICTORIA)	HULL	06:30	21:00	1	3	6	3	3	0		
·	YORK	04 45	00:45	5	12	24	12	7	4		
	Maton	06: 0	19:15	1	3	6	3	1	0		In addition to the services shown in the specified interval columns the following shall be provided:
	Seamer	06: 0	19:15	1	3	6	3	1	0		- One service shall depart York no later than 06:45 which shall call at Malton Seamer and Scarborough.
	SCARBOROUGH	06: 0	19:15	1	3	6	3	1	0		 Three services shall depart York between 21:00 and 23:59 and each shall call at Malton Seamer and Scarborough.
	Thirsk	06 00	21:00	2	3	6	3	2	0		In addition to the services shown in the specified interval columns: the following shall be provided: One service shall depart York no later than 05:00. One service shall depart York no later than 07:00. One service shall depart York no sarlier than 07:00. One service shall depart York no sarlier than 07:00. The service shall depart York no sarlier than 07:00. The service shall depart York no sarlier than 07:00.
1	Northallerton	04 45	21:00	4	6	12	6	2	0		
	Yarm Thornaby	07 00 07 00	8:45 8:45	1	3	6	3	0	0		
	MIDDLESBROUGH	07 00	8:45	1	3	6	3	0	0		
	Darl ngton	04 45	20:30	3	3	6	3	2	0		Services operating from Liverpool Lime Street and Manchester Airport to Manchester in
1	Durham	04 45	20:30	3	3	6	3	2	0		fulfilment of the requirements specified in table TPE B may also be counted towards the
	Chester-le-Street	04 45	20:30	2	2	3	1	2	0		requirements specified in this table TPE 1A.
	NEWCASTLE	04 45	20:30	3	3	6	3	2	0		
	Mauldeth Road	-	-	0	0	0	0	2	1		Services operating from York Leeds and Carlisle to Manchester in fulfilment of the
	Burnage	-	-	0	0	0	0	2	1	l	requirements specified in table TPE 1B may also be counted towards the requirements
1	East Didsbury Gatley			0	0	0	1	2	1	l	specified in this table TPE 1A.
1	Heald Green	-	-	0	0	0	3	2	2		†
L	MANCHESTER AIRPORT	03 45	00:30	6	11	24	12	12	8		
	,										

First and last services, minimum station calls and connectivity requirements

MACHINI Machine Mach	d last services, minimum station						turdo es co	ata a dan f	-Mind to 1			
MACCO 1999			Eirst sanvica	Last service		Minimum arr	ivals at Manche	ster during spe	cified interval		ŀ	
The				arrives								
MACRA MARTINE				Manchester no								
MACKED 20-00/20 ACCESS 20-	From	То	later than	earlier than	02:00 - 06:59	07:00 - 09:59	0:00 - 15:59	16:00 - 8:59	19:00 - 21:59	22:00 - 0 :59	requirements	Notes Return on 06:00 and 09:50 at Manchester three specified consists shall continue to either
MACRIT MANTEN OU.5												Glasgow Central or Edinburgh Waverley.
MACRIT MANTEN OU.5												
MACHE DAMPS 04.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0												Between 09:00 and 19:59 at Manchester one specified service per hour shall continue to
MACINET BOTTOM Macinet Bottom												
MAGNET A MARKET M												After 20:00 at Manchester one specified service shall continue to Edinburgh Waverley.
MAGNET A MARKET M												Before 05:00 at Manchester one specified service shall continue to York.
Main Comment Main												
Machine Mach	MANCHES ER AIRPOR		04:45	00:45	5	12	24	12	11	5		Between 06:00 and 19:59 at Manchester two specified services per hour shall continue to
No.												Leeds of which one per hour shall further continue to York.
Marcin Region 2 25 Marcin												
No.												York.
No.												After 23:00 at Manchester one specified service shall continue to York.
Section The process The process Section The process The												
No.												
The Control of Part												
Mile												See also table TPE 1A.
The state of the			-						1			
MACCESTED Commonwealth Commonw	East Didsbury		-	-	0	0	0	0	1			
MACINETE DOTAIN			-	-	0			0	1	1 4		
Mode Consumer Street Market Consumer Street Consumer Str				-					1			The case find conjugar arriving at Manchester between 09:00 and 32:50 -b-H
Control Section Control Cont	NEWCAS LE		08:45	00:30	0	2	6	3	3	3		Manchester Airport or Liverpool Lime Street.
District Print print Print	Chester e Street		08:45	23:00	0	1	3	2	2	2		One specified service from Chester-le-Street to Manchester shall call at Darlington
MACC 1997/COST March 1997												between 08:00 and 08:59.
MACCHESTR (OCHOR) 10.00 2.00 3 6 3 2 0						_	-	3	3	-		
MACCHESTR (OCHOR) 10.00 2.00 3 6 3 2 0												In addition to the services shown in the specified interval columns three services shall be
Manager Mana	MIDDLESBROUGH		08:30	20:45	0	3	6	3	2	0		provided departing from Middlesbrough between 19:00 and 21:59 which shall call at a
Manual M												minimum of Thornaby Yarm Northallerton Thirsk and York. One call at Yarm may be substituted by a call at Dar ington
Machine Mach								3	2			substituted by a current but ington.
Book			08:30	20:45	0	3	6					
Major									-			
MAIOR MAIO	SCARBOROUGH		08:30	22:15	0	3	6	3	3	1		In addition to the services shown in the specified interval columns three services shall be
MANCHESTRE (COSTOR) Continue to Userpool. Service per hour from York shall continue to Userpool. Service per hour from York shall continue to Manchester Arigors and States trans shall call at each of Manchester Arigors and States trans shall call at each of Manchester Arigors. See also table TPE 1A. See also	Seamer		08:30		0							provided from Scarborough between 21:00 and 23:59 which shall call at a minimum of all
MACHESTER (OXFORD ROAD, PECCADILY, VICTORIA)	Malton		08:30	22:15	0	3	6	3	3	1		
MACKISTER (DATE PROBA) 10.45 00.30 5 11 24 12 12 12 6 Server BLOD and 00.59 at Manchester one specified service per hour from York shall not online to NewCritical Apport and these trains shall call at each of Machester Victoria.												
NOA, PICCORULY, VICTORIA		MANCHESTER (OYEORD										,
Machinester Ordinal Road and Manchester Proceding by a soon as reasonably practicable after the necessary infrastructure has been commissioned by Network Rail.		ROAD, PICCADILLY,										Between 03:00 and 00:59 at Manchester one specified service per hour from York shall
Mal.	YORK	VICTORIA)	03:45	00:30	5	11	24	12	12	6		continue to Manchester Airport and these trains shall call at each of Manchester Victoria Manchester Oxford Road and Manchester Piccadilly as soon as reasonably practicable after
MALL 07:45												the necessary infrastructure has been commissioned by Network Rail.
MALL 07:45												
Brough G SerbyRe C SerbyRe C C SerbyRe												see also table IPE IA.
Brough G745 2145 0 3 6 3 3 0	HULL		07:45	21:45	0	3	6	3	3	0		in addition to the services shown in the specified interval columns one service shall be
Newton Control Contr			07:45	21:45								provided from Hull between 20:00 and 20:59 which shall call at a minimum of Brough
Seeky	Gi berdyke		-	-	0	1	0	0		0		Selby South Milford and Leeds.
Devision Control Con			07:45	21:45		3						One further service shall depart from Hull no earlier than 21:30 which shall call at a
Between 07:00 and 21:59 at Manchester two specified services per hour shall continue to Uureppool.			-	-	0	0	0	0	0	0		minimum of Brough Gilberdyke Selby South Milford and Leeds.
LEED6	Garforth		05:30	23:45	2	4	6	3	3	3		200-120-120-120-120-120-120-120-120-120-
Between 07:00 and 21:59 at Manchester two specified services per hour shall continue to Manchester Airport. and these trains shall call at each of Manchester Victoria. Manchester Oxford Road and Manchester Froding's soon as reasonably practicable after the necessary infrastructure has been commissioned by Network Rail. See also table TPE 1A.						l	1		l	1		
LEEDS						l	l					
Diversion Control Co						l	1		l	1		
Directory						Ι.			l			
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Deverbury						l	1		l	1		See also table TRE 14
Marketer for a						l	l					See also table IFE Dr.
Marketer for a			1			l	1		1	1		
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Marketen - -												
Columbia			07:45	20:45		•	•	•	•	•		
Nos sy (Ge-sier Manchester)	Marsden Greenfold		<u> </u>	-			ti	bc			 	
Sulphridge			07:45	20:45								
Colt More					1	5	12	6	6	6		
Grissly own O2.15 2.200 0 1 6 3 3 2					0	1		_	3	2		
Barnetby 09:15 23:00 0 1 6 3 3 2 Monchester Airport.	Grimsby own											
Southeaper O3:15 23:00 0 1 6 3 3 2 - After 23:00 x Manchester one specified service shall continue to Manchester Airport.	Habrough Barnethy		09:15	20:00	0					0		- Between 06:00 and 22:59 at Manchester one specified service per hour shall continue to
DOKAS BR 07.15 23.00 0 2 6 3 3 2	Scunthorpe		09:15	23:00	0	1	6	3	3			
Sept ELD 05:00 23:00 2 3 6 3 3 2			07:15	23:00	0	2	6	3	3	2		
Dore & soley 0 2 0 0 0 0 maddition to the services shown in the specified interval columns one service shall be Chin ey - 0 1 0 0 0 provided from Cleethorges to arrive at Sheffield on later than 0700. It shall cal at a minimum of Grinsky Town Habrough Barnetby Southhorge Althorpe Crowle Thorne South Hatfield and Stariforth Doncaster Meadowhall and Sheffield.									3	2		See also table TPE 1A.
Chin ey - 0 1 0 0 0 provided from Ceethorges to arrive at Sheffield on later than 07.50. It shall cal at a minimum of Girinsby Town Habrough Barnethy Sounthorpe Crowle Thorne South Haffeld and Stainforth Doncaster Meadowhall and Sheffield.	Dore & otley		-	-	0	2	0	0				
South Hatfield and Stainforth Doncaster Meadowhall and Sheffield.	Chin ey		-		0	1	0	0	0	0		provided from Cleethorpes to arrive at Sheffield no later than 07:00. It shall call at a
			1			l	1		1	1		
	Stockport		07:15	23:00	0	3	6	3	3	2		and the second s
	1 1			1		l	1	1				
	1											

DOCUMENT 4 – relevant extract from spreadsheet prepared by Rail North representatives summarising responses to public consultation {6 Jan 2015}

		Transport Fund	
North East Combined Authority			
*	Seek improvements to early and late services at Chester-Le-Street (the first Newcastle-bound service on a Sunday does not arrive at its destination until 10:15). Southbound services from Chester-Le-Street are less satisfactory with the first service not departing until 10:13. The last southbound service on a Sunday departs at 18:14. Connections to employment centres for retail and services such as Newcastle are fundamental for the continued growth of the economy.	the ve today to have souther I.M. ho Many, ADD to rue they !	v pache
	2. Weekend services on the local Northern network do not facilitate a seven-day economy Lock Control 3. On the Tyne Valley route, seek the introduction of a second hourly connection between Newcastle and Carliste (one of these services would serve all stations).	As a result of reviewing the RN Partner responses 3 additional options were taken forward for testing:	
	for Specify.	3. York-Pontefract	
iverpool City	Newcastle, Man-Newcastle and Liverpool-Snemelo to 2tpn.	- E. I II NCL MAN	

DOCUMENT 5: Relevant extracts from feedback provided by one of the short-listed TPE bidders, dated 9 Jan 2015

From: ****

Sent: 09 January 2015 21:08

Cc: TPE; ****

Subject: Feedback from ****

Dear ,

Following our meeting earlier this week, I write to give our feedback on a number of areas. We do recognise the time pressures you are under, so I hope these comments are as useful. We hope our feedback is supportive and constructive, and do accept that for some of the items mentioned below it may not be worthwhile opening up further debate at this stage.

TSR - ideas to put the Express back in TPE

The attached spreadsheet '150108 suggested variations to TPE TSR to enable Express' has both analysis and commentary on the draft TSR issued 22nd Dec, and two additional sheets detailing possible variations to support Express operation, and Liverpool to WCML services.

In summary the variations would affect the following:

 Northallerton and Chester-le-Street, so that Newcastle can have faster services which call only at Darlington and Durham north of York

...

We would welcome the opportunity to discuss both our understanding of the TSR with you and these suggestions at a final session with *** in the following weeks.

. . .

I look forward to our next meeting on Tuesday, where we are happy to discuss further any of the above feedback.

Kind regards,

DOCUMENT 6 – relevant extracts from email chain dated 12 Jan 2015

From: @ch2m.com @ch2m.com
Sent: 12 January 2015 17:39 To:
Dear all
I will be sending out a fresh set of TSRs shortly and these will reflect the current thinking and my changes are shown in a dull blue but prefixed by my initials to show the current position.
Regards
CH2M HILL,
Sent: 08 January 2015 22:56 To: @tfgm.com); Cc: Subject: RE: Notes from phone con 07/01/14 - changes which we can make and those that need testing Many thanks for this note. I have appended some comments to yours in a rather fetching shade of purple, some of which reflect points we discussed earlier this afternoon.
From: @mottmac.com] Sent: 08 January 2015 13:08
To: <u>@tfgm.com</u>); <u>@ch2m.com</u> ; <u>@ch2m.com</u> ;
Cc: Subject: Notes from phone con 07/01/14 - changes which we can make and those that need testing
Dear all
Having talked to and we have agreed that two sets to changes are needed to the TSR/MOIRAs regarding "putting the express back into TPE". Those coloured red are those which need further investigation/testing before we can agree to include, whilst those coloured green are those which we can do now as they are already facilitated by service options already in the Transformation packages.

I hope that we can all agree to doing this.

The red ones will be tested in a new MOIRA test built upon the green coloured elements in our best Transformation package – i.e. the best MOIRAs which we now have. As such the tests will give us the incremental benefits of the extra NT services and TP speeding up.

Express back into TP

Use unit from 09:05 into NEW to then work an alternate hour service in inter-peak removing TPE calls during that period, linked to run as Saltburn-NEW via Darlington – can we do a quick check of the economic benefit of savings 3 mins on NEW TP service, level of demand on TP services which would gain 3 mins time savings. Default is alternate hours as Salturn-NEW via DARL. Keep TP calls as per notes.

I think there are potentially two options in play here. The no-brainer, which we definitely include in our 'package' to be tested, is the most we can do with existing Northern resource in marginal time. Which is proposition that removes roughly half of TPE's current CLS calls, replacing them with Northern calls in the extended Saltburn services.

The purpose of the 'quick check' is to give us a very approximate view of whether removing the rest of the CLS calls from TPE – which will require an additional Northern unit – is likely to generate economic benefits that justify the costs of leasing and operating an extra unit. This quick check will inform our view on whether to go for a more ambitious approach of removing all of CLS's TPE calls.

No change made to TSRs at this time

[...]

So on balance I'm thinking we should remove the CLS additions from the package.

No change made to the TSRs at this time

[...]

Thanks



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DOCUMENT 7: RELEVANT EXTRACT FROM EMAIL DATED 13 JAN 15

From:
Sent: 13 January 2015 14:16
To: Subject: RE: Northern/TPE franchise competitions - "deconfliction" instructions
- thanks for the chance to comment !

[...]

• I share your concern over a 2 hourly Darlington – Newcastle for Chester –le-Street, presumably linked into one of the local services at D/ton? We had been thinking of this as a potential extension to Saltburn-Darlington, though another option would be Middlesbrough-Durham-Newcastle (via Stillington). We strongly suspect that if we specify this extra into Newcastle, whether it comes from Darlington or the Stillington route, it probably kills the idea of TPE providing a second Newcastle. That said, I'm not hugely convinced that a second TPE Newcastle really makes sense alongside an increased East Coast service under IEP, plus Cross Country – I suspect the greater benefit is in providing a stopper (which may enable smaller calls to be removed from the faster InterCity services).

[...]

Access and Operations Manager Thameslink Great Northern | Rail Executive | Department for Transport | 4th Floor – 16/21 Great Minster House | 33 Horseferry Road | London | SW1P 4DR |

@railexecutive.gsi.gov.uk

Leading a world-class railway that creates opportunity for people and businesses

DOCUMENT 8 – relevant extract from email chain dated 22 Jan 2015

From:	@mottmac.com]
Sent: 22 January 2015 12:46	
То:	;
Cc:	

Subject: DfT franchise support - when should we expect outstanding information

Dear et al

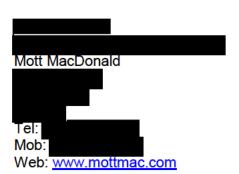
In the light of all of the changes to services during the last 2 days we are trying to play catchup and get our MOIRA files updated. However we are obviously still outstanding a few service changes/options, being (a few questions to you are posed in red):

[...]

 Putting the express back in TP – Chinley projections are nearly done and coded, Chester-le-Street as a new 0.5tph NEW-Chester-le-Street-Durham-(Stillington line)-Stockton-Thornaby-Middlesbrough will be completed tomorrow

[...]

Yours sincerely



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DOCUMENT 9 - email chain dated 27 Jan 15

From: Sent: 27 Janu	uary 2015 13:	25		
To:			@mottmac.com>;	@tfgm.com
	@tfgm.com)		@tfgm.com>	
Cc:	@cl	n2m.com		
Subject: RF:	DfT franchise	s support -	Post phone notes 26/01	1/15

It sounds like it may not even be enough to meet the cost of drivers and conductors, let alone fuel, VTAC etc. On that basis, coupled with the impact on ECML performance, this is sounding like a non-starter for our specification.

We could leave Northern bidders the opportunity to propose a MBR-NCL via Stillington service, but they'd have to persuade us (and NR) that it would be deliverable. Or we could leave TPE bidders the opportunity to operate a second Newcastle, in which case they could speed things up by spreading the calls. But I do not think we can do both.

Another one for discussion tomorrow.



Please see results from the "what is a 2 min time saving by not calling at Chester-le-Street" as below. £1.0m to £1.5m over 10 years doesn't sound enough to me to carry the cost of leasing a unit!

Therefore if you agree I suggest that the solution for C-I-S has to be based on reuse of the spare NT unit at Newcastle running a 0.5tph service. However the spare unit is a Pacer and I suspect that no-one wants such a unit bouncing down the ECML between Newcastle and Darlington. We may be happy to let it bounce to Tursdale Junction (about 21 miles) to then run onto Middlesbrough/Saltburn via Stillington.

Do you agree?

Yours sincerely





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Road, Croydon, Surrey CR0 2EE

From: <u>@ch2m.com</u> <u>@ch2m.com</u>

Sent: 27 January 2015 10:32

To:

Subject: RE: DfT franchises support - Post phone notes 26/01/15

Hi ,

We've done some quick analysis on the likely revenue and economic benefits of speeding up services between Newcastle and Durham by 2 minutes by not calling at Chester-Le-Street (except in peak times). This test is not perfect for the reasons discussed yesterday (based on unrealistic timings in the SDG timetables, and for modelling purposes retains the call at Chester-le-Street on TPE in the absence of coding in a Northern replacement service). That said, it should give an indication of the likely impact of removing this stop from TPE.

We estimate the 10 year revenue benefits to be worth between £1m-£1.5m nationally. There is a much larger benefit to TPE and a loss of revenue for East Coast and Cross Country. Economic benefits are broadly the same, coming in between £1m-£1.5m over 10 years.

Let me know if you'd like further info.

Regards,

From: @mottmac.com]

Sent: 26 January 2015 17:23

To: @railexecutive.gsi.gov.uk);

Cc: ;

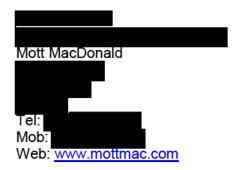
Subject: DfT franchises support - Post phone notes 26/01/15

[...]

Putting the express back into TP

- Chester-le-Street:
 - o Halcrows to assess value of TP not calling
 - Unlikely to stack up operationally
- [...]

[...]



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DOCUMENT 10 - relevant extracts from email chain dated 30.1.15

From:	
Sent: 30 January 20	15 16:28
To:	@railexecutive.gsi.gov.uk>
Cc:	@railexecutive.gsi.gov.uk>;
	.gsi.gov.uk>; @railexecutive.gsi.gov.uk>;
	@railexecutive.gsi.gov.uk>;
@railex	kecutive.gsi.gov.uk>
Subject: FW: Geogr	aphic scope of Northern/TPE franchises
I have been refle	ecting further on the WCML and ECML capacity and performance
issues raised by	which we discussed last week.
[]	
ECML	
[]	

Darlington – Newcastle – an extra Northern stopping service over this 2 track section to enable removal of a call at Chester le Street from TPE services would appear to be a costly way to generate a small time saving and one which would introduce additional performance and capacity risks. In the Northern Transport Strategy to be published in March, DfT is planning to announce a study into future ECML capacity requirements between Northallerton and Newcastle. It would therefore be appropriate to wait for the outcome of the study before committing to an additional local service.

I hope this is helpful

Happy to discuss



DOCUMENT 11 - relevant extracts from email dated 2 Feb 2015

From:	
Sent: 02 February 2015	23:35
To:	@railexecutive.gsi.gov.uk>; Eddie Muraszko
<eddie.muraszko@railex< td=""><td>kecutive.gsi.gov.uk></td></eddie.muraszko@railex<>	kecutive.gsi.gov.uk>
Subject: Changes to train	n service spec



I said I'd drop you a note of things that have changed in our train service proposition over the past couple of weeks. Hope this is a useful update.



[...]

Chester-le-Street – we're leaving this with TPE. The cost of a Northern train isn't going to come close to offsetting the modest journey-time saving to/from Newcastle

[...]

DOCUMENT 12 – relevant extracts from email chain dated 5.2.15

From: Sent: 05 Fe To:	bruary 2015 18:22 @mottmac.com' @mottmac.com>; @tfgm.com
Cc: Subject: Re	@tfgm.com> @mottmac.com' @mottmac.com> c: DfT franchise NT/TP - results of discussion with 05/02/15
[]	
enough eve	ext of CLS we've concluded that the journey time savings of dropping TPE calls aren't en to justify the operating costs of an extra Northern service - let alone the costs of ra units, which is what we'd need for NT peak strengthening.
[]	
To: Cc:	@mottmac.com] sday, February 05, 2015 05:43 PM GMT Standard Time @tfgm.com' @tfgm.com) @tfgm.com>; @mottmac.com> OfT franchise NT/TP - results of discussion with
Dear a	and the second s
Just to repe	eat back what have agreed with this afternoon.
[]	
Che	ester-le-Street calls on TP as per today
[]	
	ssue a copy of his revised final NTP timetable in a spreadsheet tomorrow AM for whilst he codes in parallel.
[]	
Mott MacL	Oonald
ott made	
Tel:	

Mob: www.mottmac.com

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DOCUMENT 13: relevant extracts from email chain dated 22 Feb 2015

From: Sent: 22 February 2015 10:10 To:
Many thanks. Responses below in red. Includes some questions where I'd appreciate your views – particularly between the logic behind Habrough, where I thought the intention was to speed trains up (not add more calls than today).
On current plans, we need to have the TSR locked down by the end of Wednesday. We may possibly have some opportunity on Thursday for final tweaks, but I can't promise that.
Cheers .
From: @tfgm.com] Sent: 13 February 2015 17:04 To: Cc: Subject: FW: TPE
Looking at the attached I have the following comments:
[]
Sundays 1E • [] • Chester-le-Street should be 0800 2100 3,4,2,0 to be as May14 Dec 14 CLS has 0730 MIA (0747 MAN) and 0912 LIV (0949 MAN) before 1000. So I think 0800 2100 2 4 2 0. • []
[]
Transport for Greater Manchester

2 Piccadilly Place, Manchester, M1 3BG

, Extension

, Office fax

@tfgm.com

Direct line

Mobile

Email

www.tfgm.com

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DOCUMENT 14 (relevant extract from document dated 26 Feb 2015)

NOTES ON RAIL NORTH SPREADSHEET OF TSR-RELATED COMMENTS IN CONSULTATION RESPONSES

I have reviewed the Rail North spreadsheet of local authority consultation responses, focusing on the columns headed "TSR comments raised" and "comment / action taken". I have also referred to other columns where needed to fully understand the comments. In many cases, the "comment" explains why we are not taking a particular option forward (or notes that we are considering it for inclusion in our spec). But I have also identified some areas where I think further consideration might be merited. These are summarised in the table below: the first column shows the issue, and the second will be used to record the outcome of the consideration of these issues by DfT/Rail North/Motts. My manuscript notes on the full list of comments has been scanned and filed.

Consultee	Outstanding issue	Resolution
NECA	Should Chester-le-Street be better served	Southbound, we now specify a CLS train
	on Sunday mornings? Current first train to	arriving Manchester by 1045. Northbound,
	NCL arrives 1015; first train south departs	1013 is TPE's first Newcastle train of the
	CLS 1013.	morning.

DOCUMENT 15 – relevant extracts from document dated 11 March 2015

PROPOSED AMENDMENTS TO TPE TSR TABLES ARISING FROM BIDDER COMMENTS AND GENERAL REVIEW OF THE TABLES

This draft note is subject to review by Rail North, Motts and CH2M.

Comments arising from Bidder feedback are as follows, with proposed response alongside:

Comment	Response
[no entries relating to Chester-le-Street]	

Suggested changes to TSR tables (subject to comment)

TSR D

Chester-le-Street: two trains after 2200; last train 0015. (This is intentionally later than SX; reflects Dec 14 timetable.) Agreed.

DOCUMENT 16 – Train Service Requirement tables forming part of the Invitation to Tender

Published on the Department's website at https://www.gov.uk/government/publications/transpennine-express-franchise-2015-invitation-to-tender