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01 March 2024

Dear Emyl

1 Proposal to supplement the CP6 Track Usage Price List

1.1 The purpose of this letter is to propose, and seek approval of, a supplement to the Control Period 6 (CP6) Track Usage Price List, consistent with Schedule 7 of the West Midlands Trains Track Access Contract. The proposed supplement comprises a new Variable Usage Charge (VUC) rate for the vehicle type(s) that are listed in Table 1, and which are operated by West Midlands Trains.

1.2 This proposed supplement to the Track Usage Price List has been agreed between Network Rail and West Midlands Trains. It is required to reflect the fitment of Hall Bushes to Class 350/1 Class 350/3 and Class 350/4 vehicles to reduce track wear and reduce Track Access charges.

1.3 The new VUC rate(s) proposed in this letter are shown in Table 1 and were calculated using the agreed CP6 VUC calculator developed by Network Rail in 2017/18 prices. The output sheet from the calculator sets out the proposed new rate and corresponding input information. Where an averaging approach has been adopted, the VUC calculator output sheet display the averaged vehicle characteristics used in the calculation. Both the averaging methodology adopted (if applicable) and the VUC calculator output are detailed in Appendix A and Appendix B respectively, to this letter.

Table 1: List of VUC rates included under this application.

Vehicle name	VUC rate (pence per vehicle mile, 2023/24 prices)
350HB/1/M	12.54
350HB/1/T	9.07
350HB/3/4/M	10.94
350HB/3/4/T	8.92

1.4 If you have any queries in relation to the calculation of the proposed new VUC rate(s), or in relation to the content of this letter, we would be happy to discuss this with you in more detail.

Yours sincerely,

Akaash Bhandari

Network Rail

Scott Turner

West Midlands Trains

2 Appendix A: Averaging methodology

2.1 If no averaging methodology has been adopted for any of the vehicles under this application, or this is a vehicle modification to an existing vehicle, please check this box to affirm: ☑

2.2 This VUC application is for a modification to a vehicle which already has a CP6 VUC rate. Therefore, in line with the CP6 VUC guidance, the Official CP6 VUC calculator has been used to provide the existing vehicle characteristics and only those vehicle characteristics that have changed, as a result of the modification, have been amended.

3 Appendix B: VUC calculator output

3.1 This section provides evidence of the outputs from the CP6 VUC calculator to confirm and support the proposed new rates and vehicle characteristics for each vehicle under this application. Each separate VUC calculator output sheet, corresponding to each vehicle under this application, is provided on a separate page.

350HB/1/M

CP6 VUC Calculator: Passenger vehicles

V7e: March 2019

Calculate another vehicle VUC rate

Vehicle data		
Vehicle name/class	**350HB/1/M (Motor)**	
Vehicle type	Coach or Multiple Unit	
Number of axles	4	
Speed (max, mph)	110	
Route speed (max, mph)		
Speed (operating, mph)	65.01	(Calculated)
Tare weight (t)	50.49	Seats 0
Operating weight (t)	50.49	
Unsprung mass (kg)	1790	
Curving class	Coach_HB_50	
Ct factor	0.89	

Calculated VUC		
2017/18 prices		
VUC	**12.54**	**2.4828**
	p/vm	£/kGTM
VUC Breakdown		
Track	*8.84*	*1.7505*
Structures	*2.06*	*0.4081*
Signals (variable)	*0.24*	*0.0473*
Signals (fixed)	*0.22*	*0.0437*
Surface damage	*1.18*	*0.2332*

350HB/1/T

CP6 VUC Calculator: Passenger vehicles

V7e: March 2019

Calculate another vehicle VUC rate

Vehicle data		
Vehicle name/class	350HB/1/T (Trailer)	
Vehicle type	Coach or Multiple Unit	
Number of axles	4	
Speed (max, mph)	110	
Route speed (max, mph)		
Speed (operating, mph)	65.01	(Calculated)
Tare weight (t)	42.78	Seats 0
Operating weight (t)	42.78	
Unsprung mass (kg)	1470	
Curving class	Coach_HB_40	
Ct factor	0.89	

Calculated VUC		
2017/18 prices		
VUC	**9.07**	**2.1202**
	p/vm	£/kGTM
VUC Breakdown		
Track	*6.28*	*1.4681*
Structures	*1.06*	*0.2482*
Signals (variable)	*0.17*	*0.0397*
Signals (fixed)	*0.22*	*0.0516*
Surface damage	*1.34*	*0.3126*

350HB/3/4/M

CP6 VUC Calculator: Passenger vehicles

V7e: March 2019

Calculate another vehicle VUC rate

Vehicle data		
Vehicle name/class	350/3/4/M (Motor)	
Vehicle type	Coach or Multiple Unit	
Number of axles	4	
Speed (max, mph)	110	
Route speed (max, mph)		
Speed (operating, mph)	65.01	(Calculated)
Tare weight (t)	46.74	Seats 0
Operating weight (t)	46.74	
Unsprung mass (kg)	1760	
Curving class	Coach_HB_50	
Ct factor	0.89	

Calculated VUC		
2017/18 prices		
VUC	**10.94**	**2.3401**
	p/vm	£/kGTM
VUC Breakdown		
Track	*7.81*	*1.6720*
Structures	*1.51*	*0.3237*
Signals (variable)	*0.21*	*0.0452*
Signals (fixed)	*0.22*	*0.0472*
Surface damage	*1.18*	*0.2519*

350HB/3/4/T

West Midlands Trains

NetworkRail

CP6 VUC Calculator: Passenger vehicles

V7e: March 2019

NetworkRail

Calculate another vehicle VUC rate

Vehicle data		
Vehicle name/class	**350HB/3/4/ (Trailer)**	
Vehicle type	Coach or Multiple Unit	
Number of axles	4	
Speed (max, mph)	110	
Route speed (max, mph)		
Speed (operating, mph)	65.01	(Calculated)
Tare weight (t)	42.3	Seats 0
Operating weight (t)	42.3	
Unsprung mass (kg)	1470	
Curving class	Coach_HB_40	
Ct factor	0.89	

Calculated VUC		
2017/18 prices		
VUC	**8.92**	**2.1089**
	p/vm	£/kGTM
VUC Breakdown		
Track	*6.18*	*1.4611*
Structures	*1.02*	*0.2400*
Signals (variable)	*0.17*	*0.0395*
Signals (fixed)	*0.22*	*0.0522*
Surface damage	*1.34*	*0.3161*