

Explanatory notes for Administrative release of NGR data

1. This contains all service affecting faults (those resulting in unavailability, delay to service start, delays or cancellations in service) on NGR trains from the first service on 11/12/18 to 13/07/2018
2. While everything possible is done to avoid cancelling services, it is normal for faults to be identified through the introduction of a new fleet, and the manufacturer is expected to find and tune the setup of equipment as it starts to be heavily used (for example, doors)
3. Door faults were the highest cause of cancellations in the requested time period, with 12 cancellations from 11th December to 13th July 2018. A decreasing trend by month can be seen over this period, while the number of trains in service increases. No trains were cancelled due to door faults in the last two months of this period
4. Comparable data for other QR fleet is not available, however door faults are one of the highest occurring failures in Citytrain, across all rollingstock.
5. Performance and reliability of the NGR fleet is steadily improving over time, and in late July the fleet passed 1 million km in operational service

Released under Administrative Access DTMR

Business_Date	Issue_Types	Multiple_Unit_Code	Event_Class	Event_Class_Type
11/12/2017	IP Switch	704	Delay	N/A
15/12/2017	Pantograph	705	Delay	N/A
15/12/2017	Pantograph	705	Unavailable	Unavailable
15/12/2017	Pantograph	706	Delay	N/A
18/12/2017	Door	705	Cancellation	T1
18/12/2017	Door	705	Delay	N/A
27/12/2017	Toilet	704	Delay	N/A
27/12/2017	Toilet	704	Delay	N/A
27/12/2017	Door	705	Cancellation	T1
27/12/2017	Door	705	Delay	N/A
27/12/2017	DVR	706	Unavailable	Unavailable
3/01/2018	Door	705	Cancellation	T1
3/01/2018	Door	705	Delay	N/A
3/01/2018	Door	705	Delay	N/A
5/01/2018	Door	706	Cancellation	T2
5/01/2018	Door	706	Delay	N/A
6/01/2018	Bodyside Cameras	706	Delay	N/A
10/01/2018	PEI	713	Cancellation	T1
10/01/2018	PEI	713	Delay	N/A
12/01/2018	Brakes	704	Cancellation	T1
13/01/2018	Brake Pipe	704	Unavailable	Unavailable
13/01/2018	Depot	706	Unavailable	Unavailable
13/01/2018	Brakes	713	Delay	N/A
16/01/2018	PEI	713	Delay	N/A
16/01/2018	Main Circuit Breaker	713	Delay	N/A
17/01/2018	Horn	705	Cancellation	T1

NGR faults that resulted in non-availability, delays or cancellations which occurred in revenue service, between 11/12/2017 and 13/07/2018

20/01/2018	HVAC	705	Cancellation	T2
20/01/2018	HVAC	705	Delay	N/A
20/01/2018	Radio	705	Cancellation	T1
21/01/2018	Door	708	Delay	N/A
21/01/2018	Door	708	Delay	N/A
23/01/2018	Door	713	Delay	N/A
29/01/2018	HVAC	705	Cancellation	T2
29/01/2018	Late	708	Delay	N/A
31/01/2018	Brakes	713	Delay	N/A
31/01/2018	Brakes	713	Unavailable	Unavailable
3/02/2018	Mirrors	706	Cancellation	T2
3/02/2018	Door	706	Delay	N/A
5/02/2018	Door	706	Delay	N/A
7/02/2018	Door	705	Delay	N/A
7/02/2018	Door	705	Delay	N/A
7/02/2018	Door	705	Delay	N/A
8/02/2018	Door	710	Delay	N/A
17/02/2018	Sand Tranducer	710	Cancellation	T2
17/02/2018	Door	713	Cancellation	T1
17/02/2018	Door	713	Delay	N/A
19/02/2018	Adhoc	708	Delay	N/A
19/02/2018	Sand Tranducer	710	Cancellation	T2
19/02/2018	Cab Seat	714	Delay	N/A
20/02/2018	Sand Tranducer	710	Unavailable	Unavailable
20/02/2018	Sand Tranducer	714	Cancellation	T1
20/02/2018	Sand Tranducer	714	Delay	N/A
21/02/2018	Door	705	Delay	N/A
23/02/2018	Door	706	Delay	N/A
23/02/2018	Door	713	Delay	N/A

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25/02/2018	Adhoc	708	Cancellation	T1
26/02/2018	PEI	703	Delay	N/A
26/02/2018	Pantograph	703	Delay	N/A
26/02/2018	Pantograph	703	Cancellation	T2
26/02/2018	Door	714	Delay	N/A
27/02/2018	Door	714	Cancellation	T1
28/02/2018	Door	710	Delay	
27/02/2018	Door	714	Delay	N/A
28/02/2018	Harmonic Filter	709	Unavailable	Unavailable
28/02/2018	Door	710	Delay	N/A
14/03/2018	Door	705	Cancellation	N/A
1/03/2018	HMI	708	Delay	N/A
1/03/2018	HMI	708	Delay	N/A
1/03/2018	PEI	709	Delay	N/A
1/03/2018	PEI	713	Delay	N/A
1/03/2018	PEI	714	Delay	N/A
3/03/2018	Brakes	713	Delay	N/A
3/03/2018	HVAC	713	Delay	N/A
5/03/2018	Door	710	Delay	N/A
6/03/2018	Wheel Slide Protection	706	Delay	N/A
7/03/2018	Bodyside Cameras	706	Delay	N/A
12/03/2018	Door	712	Delay	N/A
12/03/2018	Door	714	Delay	N/A
13/03/2018	Door	709	Delay	N/A
10/04/2018	Door	716	Cancellation	T1
14/03/2018	Door	705	Delay	N/A
14/03/2018	Door	712	Delay	N/A
16/03/2018	PEI	705	Delay	
17/03/2018	PWM	709	Cancellation	T2

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17/03/2018	PWM	709	Delay	
18/03/2018	Pantograph	705	Delay	
19/03/2018	Wheel Slide Protection	705	Cancellation	T1
19/03/2018	Wheel Slide Protection	705	Delay	
19/03/2018	Brakes	710	Delay	
21/03/2018	Pantograph	703	Delay	
21/03/2018	HMI	705	Delay	
21/03/2018	Windscreen Wiper	712	Delay	
21/03/2018	Windscreen Wiper	712	Cancellation	T2
22/03/2018	Horn	706	Delay	
22/03/2018	Horn	706	Cancellation	T1
23/03/2018	PWM	714	Delay	
23/03/2018	PWM	714	Cancellation	?
24/03/2018	Door	708	Delay	
25/03/2018	Park Brake	710	Cancellation	T1
25/03/2018	Park Brake	714	Cancellation	T1
26/03/2018	Door	708	Delay	
27/03/2018	Cab Sound	706	Cancellation	T1
27/03/2018	Radio	706	Delay	
28/03/2018	Headlights	703	Delay	
28/03/2018	Headlights	703	Cancellation	T1
28/03/2018	Door	703	Delay	
29/03/2018	Windscreen washer water levels	709	Cancellation	T1
29/03/2018	Windscreen washer water levels	709	Delay	
3/04/2018	Traction	704	Delay	
3/04/2018	Traction	704	Cancellation	T2
4/04/2018	Door	708	Delay	
4/04/2018	HMI	713	Delay	
5/04/2018	Wheel Slide Protection	711	Cancellation	T2

NGR faults that resulted in non-availability, delays or cancellations which occurred in revenue service, between 11/12/2017 and 13/07/2018

5/04/2018	Door	711	Delay	
6/04/2018	Toilet	712	Cancellation	T2
6/04/2018	Toilet	712	Delay	
8/04/2018	Door	705	Delay	
8/04/2018	AWS	706	Cancellation	T2
8/04/2018	AWS	706	Delay	
9/04/2018	PWM	708	Cancellation	T1
10/04/2018	Door	711	Delay	
10/04/2018	PWM	712	Cancellation	T1
10/04/2018	PWM	712	Delay	
11/04/2018	Door	713	Cancellation	T1
10/04/2018	Door	716	Delay	
16/04/2018	Door	703	Delay	
11/04/2018	Door	713	Delay	
11/04/2018	Main Compressor Circuit Breaker	716	Cancellation	T2
11/04/2018	Main Compressor Circuit Breaker	716	Delay	
12/04/2018	Wheel Slide Protection	711	Cancellation	T2
12/04/2018	Depot	704	Cancellation	T1
12/04/2018	Intercar bracket	714	Unavailable	Unavailable
14/04/2018	Pantograph	703	Cancellation	T1
14/04/2018	Pantograph	703	Delay	
14/04/2018	Line	703	Delay	
14/04/2018	Smoke Detector	716	Cancellation	T2
24/04/2018	Door	705	Cancellation	T1
16/04/2018	Door	703	Delay	
16/04/2018	Intercar bracket	714	Delay	
17/04/2018	HMI	709	Cancellation	T1
19/04/2018	Sanding Test	706	Delay	
21/04/2018	Adhoc	710	Delay	

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23/04/2018	HMI	706	Delay	
23/04/2018	Door	716	Delay	
18/05/2018	Door	710	Cancellation	T1
24/04/2018	Door	705	Delay	
2/05/2018	Radio	704	Delay	
2/05/2018	PID	716	Delay	
2/05/2018	PID	716	Cancellation	T1
3/05/2018	AWS	718	Delay	
3/05/2018	AWS	718	Cancellation	T1
3/05/2018	DVR	718	Delay	
6/05/2018	Cab Seat	709	Delay	
6/05/2018	Smoke Detector	712	Delay	
6/05/2018	Cab Seat	714	Cancellation	T1
6/05/2018	Cab Seat	714	Delay	
6/05/2018	Door	716	Delay	
8/05/2018	Toilet Fresh Water Levels	709	Cancellation	T2
8/05/2018	Door	716	Delay	
10/05/2018	Main Circuit Breaker	718	Delay	
10/05/2018	Pantograph	718	Cancellation	T1
11/05/2018	HVAC	704	Cancellation	T2
11/05/2018	HVAC	704	Delay	
12/05/2018	Main Circuit Breaker	712	Delay	
17/05/2018	Pantograph	708	Delay	
17/05/2018	HMI	708	Delay	
19/05/2018	Door	706	Cancellation	T1
18/05/2018	Door	710	Delay	
19/05/2018	Door	706	Delay	
20/05/2018	Door	710	Delay	
23/05/2018	Main Circuit Breaker	704	Cancellation	T1

NGR faults that resulted in non-availability, delays or cancellations which occurred in revenue service, between 11/12/2017 and 13/07/2018

23/05/2018	Main Circuit Breaker	704	Delay	
23/05/2018	Air leak	714	Delay	
24/05/2018	Main Circuit Breaker	710	Delay	
24/05/2018	Cab Driver Safety Control Foot Pedal	713	Cancellation	T2
24/05/2018	Cab Driver Safety Control Foot Pedal	713	Delay	
25/05/2018	Door	713	Delay	
29/05/2018	Air leak	703	Unavailable	Unavailable
29/05/2018	Air leak	717	Delay	
29/05/2018	Air Leak	717	Cancellation	T1
29/05/2018	Park Brake	718	Unavailable	Unavailable
31/05/2018	Main Circuit Breaker	716	Delay	
4/06/2018	AWS	704	Cancellation	T2
4/06/2018	AWS	704	Delay	
4/06/2018	Door	718	Delay	
6/06/2018	Door	705	Delay	
8/06/2018	Fire Alarm	706	Delay	
8/06/2018	Vigilance Alarm	716	Cancellation	T2
8/06/2018	Depot	717	Cancellation	T1
9/06/2018	Main Electrical Locker	717	Delay	
10/06/2018	Cab Vibration	704	Cancellation	T2
11/06/2018	Radio	704	Delay	
12/06/2018	Door	704	Delay	
12/06/2018	Cab Driver Safety Control Foot Pedal	716	Cancellation	T2
12/06/2018	Cab Driver Safety Control Foot Pedal	716	Delay	
15/06/2018	Headlights	704	Delay	
15/06/2018	Traction	708	Delay	
15/06/2018	Roof panel	709	Cancellation	T1
15/06/2018	Headlights	714	Cancellation	T2
16/06/2018	Traction	714	Delay	

NGR faults that resulted in non-availability, delays or cancellations which occurred in revenue service, between 11/12/2017 and 13/07/2018

19/06/2018	Door	722	Delay	
20/06/2018	Door	722	Delay	
22/06/2018	Door	723	Delay	
25/06/2018	Unavailable	706	Unavailable	Unavailable
25/06/2018	AWS	723	Cancellation	T2
26/06/2018	Traction	706	Unavailable	Unavailable
26/06/2018	Adhoc	713	Delay	
26/06/2018	Brakes	714	Delay	
27/06/2018	Unavailable	709	Unavailable	Unavailable
27/06/2018	Door	723	Delay	
27/06/2018	Toilet	723	Cancellation	T2
28/06/2018	Transformer	709	Unavailable	Unavailable
28/06/2018	Unavailable	716	Cancellation	T2
28/06/2018	Door	722	Delay	
29/06/2018	Door	722	Delay	
30/06/2018	Door	711	Delay	
1/07/2018	Door	714	Delay	
2/07/2018	Brakes	711	Cancellation	T1
3/07/2018	Door	711	Delay	
4/07/2018	Door	711	Delay	
4/07/2018	Cab Maintenance	716	Delay	
5/07/2018	Radio	704	Cancellation	T1
5/07/2018	Door	705	Delay	
6/07/2018	Door	705	Delay	
7/07/2018	Pantograph	722	Delay	
7/07/2018	Pantograph	722	Cancellation	T1
9/07/2018	Door	719	Delay	
9/07/2018	Pantograph	722	Unavailable	Unavailable
10/07/2018	Passenger	708	Unavailable	Unavailable

NGR faults that resulted in non-availability, delays or cancellations which occurred in revenue service, between 11/12/2017 and 13/07/2018

10/07/2018	Pantograph	722	Unavailable	Unavailable
11/07/2018	Door	717	Delay	
11/07/2018	Pantograph	722	Unavailable	Unavailable
12/07/2018	Unavailable	710	Unavailable	Unavailable
12/07/2018	Sand dispenser	711	Unavailable	Unavailable
12/07/2018	Door	713	Delay	
12/07/2018	Door	723	Delay	

NGR faults that resulted in non-availability, delays or cancellations which occurred in revenue service, between 11/12/2017 and 13/07/2018