

# 立法會 *Legislative Council*

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## **Panel on Transport**

### **Subcommittee on Matters Relating to Railways Meeting on 10 April 2018**

#### **Background brief on service disruption of East Rail Line on 11 January 2018 and contingency arrangements for railway incidents by the MTR Corporation Limited**

#### **Purpose**

This paper provides background information on the service disruption of East Rail Line ("ERL") on 11 January 2018, and contingency arrangements for railway incidents by the MTR Corporation Limited ("MTRCL"). It also summarizes the major views and concerns expressed by Legislative Council ("LegCo") Members during previous discussions on railway incidents.

#### **Background**

##### Contingency arrangements for railway incidents

2. MTRCL has put in place contingency plans for railway service disruptions. As required by the Transport Department ("TD"), MTRCL shall issue an "Amber Alert" or "Red Alert" message to TD and other public transport operators in accordance with the seriousness of the railway incident. MTRCL is also required to notify TD within eight minutes of any service disruption incident that has occurred for eight minutes or is expected to last for eight minutes or more. Besides, according to MTR Regulations, MTRCL should report to the Electrical and Mechanical Services Department ("EMSD") any incident that occurs at any part of the entire railway premises which has a direct bearing on the safe operation of the railway. Further details of MTRCL's contingency plans for railway service disruptions are given in **Appendix I**.

### Fine for serious service disruptions under Fare Adjustment Mechanism

3. Under the prevailing Fare Adjustment Mechanism ("FAM"), there is a Service Performance Arrangement ("SPA") whereby a fine will be imposed on MTRCL for serious service disruptions, defined as disruptions of 31 minutes or above. The Administration agrees with the argument advanced by MTRCL that disruptions of a shorter duration should not be counted for this purpose in order not to put undue pressure on MTRCL's frontline staff who otherwise might be tempted or pressured into rushing their repair works to avoid the penalty, putting quality or safety at risk. It should also be noted that disruptions caused by factors outside MTRCL's control such as passengers' behaviour and bad weather, will not be counted either. The arrangement is similar to some practices adopted overseas, such as in Singapore and Melbourne. Any fine imposed is credited to a fare concession account for fare concessions under the "Profit Sharing Mechanism" and SPA.

4. In March 2017, the Administration completed the second review of FAM of MTRCL. Under the revised FAM, the SPA is improved by raising the maximum penalty per incident from \$15 million to \$25 million. The revised FAM has taken effect from June 2017. The tiered table for the SPA introduced after the 2017 FAM Review and the breakdown by year for the amount set aside under the SPA from 2013-2014 to 2016-2017 are given in **Appendix II**.

### Service disruption of East Rail Line on 11 January 2018

5. According to the MTRCL, the signalling system faults caused service disruption of the ERL for about two hours near the peak hours in the morning of 11 January 2018. MTRCL has carried out a detailed investigation jointly with experts from the signaling equipment supplier to identify the cause of the above incident and submitted the investigation results<sup>1</sup> to the Administration on 12 March 2018. The investigation confirmed that the failure was due to a hidden software coding error in the Train Control System (TCS) software module related to a specific train regulation command. The system automatically and immediately switched over to a default standby server, but it failed to recover. The system eventually resumed normal operations after the TCS fallback server and its workstations were activated manually by technical staff.

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<sup>1</sup> The details of the investigation results can be found at the press release of MTRCL on 12 March 2018 ([https://www.mtr.com.hk/archive/corporate/en/press\\_release/PR-18-013-E.pdf](https://www.mtr.com.hk/archive/corporate/en/press_release/PR-18-013-E.pdf))

## **Major views and concerns of Members**

6. Members have discussed various railway incidents at meetings of the Subcommittee on Matters Relating to Railways ("the Subcommittee") in the Fifth and Sixth LegCo. Council questions on relevant matters were also raised by Members. The major views and concerns of Members are summarized in the ensuing paragraphs.

### Incident handling

7. The Subcommittee members expressed concern about the handling of incidents and the contingency measures taken by MTRCL. In particular, they expressed dissatisfaction with the confusion in the dissemination of information to passengers regarding the service suspension and train service available, emergency bus arrangements, lack of crowd control at the emergency bus pick-up points, and the ad hoc changes made to the locations of those points.

8. At the Subcommittee meeting held on 2 June 2017, members noted that the MTRCL would explore the dissemination of an estimated time of service recovery on the MTR Mobile APP "Traffic News" in future incidents.

9. A number of recent railway incidents, such as the power outage incident at the South Island Line (East) on 29 December 2016, the fire incident on an MTR train running from Admiralty Station to Tsim Sha Tsui Station on 10 February 2017, the incident of the flooding of the South Horizons Station due to a burst water pipe on 14 February 2017, and the overhead line incident at ERL on 18 May 2017 had aroused grave concern of members about MTRCL's contingency measures. In particular, they were worried about the safe evacuation of passengers in major incidents.

10. At the Council meeting of 1 March 2017, a Member raised a question relating to the fire incident at MTR train and public transport safety. In this regard, Members noted that MTRCL would conduct 12 to 15 drills with the Police and the Fire Services Department jointly every year. Emergencies and major incidents were simulated to test evacuation and emergency response procedures. The last major drill was conducted in November 2016 and participated by about 2 000 persons. Regular training for staff had also been arranged. The Administration and MTRCL would both enhance and increase the frequency of drills.

### Penalty

11. Some Subcommittee members suggested that the remuneration of MTRCL's senior management should be reduced in the event of serious service disruptions. At the meeting held on 20 December 2013, the Subcommittee also passed a motion urging the Administration to consider expanding the scope of penalty imposed on MTRCL by including deductions of the remunerations and bonuses of its directors, as well as setting out the timetable for implementation of the said deductions. The Administration advised that they had reflected the concerns and views to the Board of MTRCL and requested the Corporation to carefully consider the matter. The Board of MTRCL had followed up and decided to include the occurrence of serious service disruptions as a consideration in the payment of performance-based remuneration to the Corporation's senior management staff in future.

#### Ageing problem of railway system

12. The Subcommittee members expressed concern about ageing problems of railway systems. When discussing service disruption incidents of ERL in 2014, some members doubted if the railway service disruptions reflected any ageing problems of the railway systems, such as the signalling system and the central monitoring and communications system, given that ERL had been operating for over 30 years. In response, the Administration mentioned that the signalling system of ERL would be upgraded in tandem with the Shatin to Central Link project. According to MTRCL, with routine repair/maintenance and component replacement, the data network transmission had shown no sign of ageing.

13. At the Subcommittee meeting held on 2 June 2017, members expressed similar concern about ageing problems of railway systems when discussing the service disruption incident of ERL on 18 May 2017. MTRCL explained that it had invested substantially in enhancing, renewing and maintaining its railway assets and infrastructure, and put in place a stringent maintenance regime that met an internationally recognized standard.

14. At the Council meeting of 1 March 2017, a Member raised a question relating to the replacement of train components, and train safety and service quality. The Administration indicated that MTRCL invested more than \$7 billion per year in maintaining and renewing its railway asset, and would earmark additional fund to procure new ones based on operational needs. According to MTRCL, the railway system had been in use for close to 40 years, and the decade spanning from the past few years to the coming few years were the peak of large-scale renewal and replacement of the railway system.

### Rail inspection and maintenance

15. The Subcommittee was briefed on the rail inspection regime of MTRCL in January 2014. Members noted that MTRCL had three Ultrasonic Testing Vehicles ("UTVs") in total at that time for rail inspection. UTV inspection was, for instance, conducted once every two weeks for Kwun Tong Line and Tsuen Wan Line. Visual inspection was carried out once every 72 hours whereas hand-held ultrasonic testing was conducted once every three to six months. UTV inspections and hand-held ultrasonic testing played complementary roles to each other in rail inspection. The former was mainly for plain rails whereas the latter for rail junctions.

16. The Subcommittee members in general expressed concern that the outsourcing of maintenance service had adversely affected the standard of rail maintenance. At the Subcommittee meeting on 20 December 2013, members passed two motions urging MTRCL to review or cease the outsourcing arrangements to improve the maintenance quality and avoid recurrence of railway incidents. MTRCL explained that contractor staff were responsible for regular visual inspections, dye penetration tests, small scale preventive maintenance work and track cleaning, whereas tasks such as replacement of rails, ultrasonic testing and rail grinding were carried out by MTRCL's in-house staff. MTRCL supplemented that the same standards and requirements applied to outsourced and in-house maintenance works.

17. At the Subcommittee meeting on 2 June 2017, when discussing the service disruption of ERL on 18 May 2017, members opined that MTRCL should use advanced technology for maintenance of power supply system, and more visual inspections for overhead lines should be conducted. Moreover, MTRCL should also strengthen its manpower in railway maintenance. MTRCL responded that apart from regular visual inspections, its maintenance staff would inspect the overhead line system with a Track and Overhead Line Geometry Recording Vehicle, and with an aerial working platform vehicle regularly. Besides, MTRCL advised that importance had been attached in ensuring the provision of sufficient manpower resources in carrying out railway inspection and maintenance works, as well as clear guidelines and training for frontline maintenance staff.

### Quality management and enhancement of service performance

18. At the Subcommittee meeting on 28 February 2014, members noted that a broken fastening wire in an overhead line support bracket near Tiu Keng Leng Station had caused the train service suspension on 16 December 2013. MTRCL informed members that the breakage was due to improper installation of the overhead line support bracket during construction. Noting also that two incidents of ERL in February 2014 had been caused by faulty overhead line insulators, the Subcommittee urged MTRCL to enhance their quality management in railway operations.

19. At the Subcommittee meeting on 2 June 2017, members noted the fault occurred on the overhead line of ERL on 18 May 2017 was caused by a damaged pantograph. In this regard, members enquired whether testing was conducted on the batch of pantographs fixed with carbon strips of the same model as the damaged one before such pantographs were put into service and suggested the MTRCL to review the procurement process. MTRCL advised that testing had been conducted before the concerned pantographs were put into service on some ERL trains in 2014. Moreover, it had ensure due process in the procurement of the new carbon strips.

20. At the same meeting, members raised concern over the frequent occurrence of railway incidents and requested the Administration to step up measures to enhance railway service performance. In response, the Administration advised that MTRCL had set up a Risk Committee to oversee the Corporation's risk profile and that an Engineering Director post had been created to drive engineering excellence. Moreover, EMSD had also strengthened its manpower to enhance monitoring of the MTRCL's railway operation.

#### Review on transport policy

21. At the Council Meeting on 31 January 2018, a Member asked whether the Administration would conduct a review of designating railway as the backbone of the public transport system, so as to avoid the recurrence of the situation that the traffic of an extensive area was paralyzed during a railway service disruption. At the Subcommittee meeting on 2 June 2017, another member asked whether the Administration would enhance franchised bus service to reduce reliance on railway service.

22. The Administration advised that the policy of railway as a backbone of the public transport system has all along been adopted and that an appropriate balance amongst various public transport modes was maintained, with railway and non-railway modes occupying some 40% and 60% of the daily public transport journeys respectively. The Administration pointed out that during railway incidents, apart from the provision of free shuttle bus services by MTRCL, other public transport

modes (including franchised buses) would also strengthen their services where necessary. However, given the high carrying capacity of railway vis-à-vis other public transport modes, these contingency measures could only mitigate the inconvenience caused to passengers to a certain extent and could not replace normal railway service.

### **Recent developments**

23. The Subcommittee has invited the Administration to brief members on the service disruption of ERL on 11 January 2018 at its meeting to be held on 10 April 2018.

### **Relevant papers**

24. A list of relevant papers is in **Appendix III**.

Council Business Division 4  
Legislative Council Secretariat  
3 April 2018

### **MTRCL's contingency plans for railway service disruptions**

#### **Purpose**

The MTRCL has drawn up contingency plans for various service disruption situations specific to the needs of individual stations. They are made available to the staff assigned to contingency duties. For information that is of use to passengers, it is made available to them in stations and in the Internet. This note gives an account of the MTRCL's contingency plans for railway service disruptions.

#### **Handling of railway service disruptions**

2. When a serious incident happens and is expected to lead to a prolonged suspension of railway services for 20 minutes or more, the MTRCL will issue a "Red Alert" message to inform Government departments including the TD, other public transport operators and media organisations of the incident. Upon notification by the MTRCL, other public transport operators will provide appropriate supportive services as best as they can under the co-ordination of the TD. On its part, the MTRCL will suitably adjust its railway service to minimise impact and arrange free MTR shuttle buses to carry passengers from the affected stations to convenient locations, such as the nearest MTR station with railway service still in operation.

#### **Alert System**

3. "Red Alert" is defined as a signal which denotes that serious railway service disruption will continue or is expected to continue for 20 minutes or more, and emergency transport support services from other public transport operators are required. Upon being alerted, public transport operators will urgently mobilise their resources to provide appropriate supporting services as quickly as possible.

4. Prior to the issuance of a Red Alert message, the MTRCL may issue an "Amber Alert" message. "Amber Alert" is defined as an early warning in respect of an incident which may lead to a serious disruption



of service. After receiving this Alert, other public transport operators will alert their emergency unit, get prepared for possible emergency actions which may be demanded for at short notice and keep close contact with the MTRCL.

5. The MTRCL is also required to notify TD within 8 minutes on any service disruption incident which has lasted for 8 minutes or is expected to last for 8 minutes or more. Train service disruption incidents refer to those incidents that lead to a suspension or delay of service at a railway station or a Light Rail stop, or on a section of a railway line.

6. Besides, according to the Mass Transit Railway Regulations (Cap. 556A), the MTRCL shall report to the EMSD any incident that occurs at any part of the entire railway premises and which has a direct bearing on the safe operation of the railway.

### **Dissemination of information during incident**

7. Regarding dissemination of information to passengers, the MTRCL has formulated measures to ensure effective communication with passengers during service disruption, with a view to assisting them to make appropriate alternative travel arrangements. These measures include:

- (a) broadcasting details of the service situation at stations and in trains;
- (b) providing information of alternative public transport service such as franchised bus routes, bus stop locations and free MTR shuttle bus boarding/alighting points on large information displays installed at stations;
- (c) displaying signs from concourse ceilings and at street level to mark routes to free MTR shuttle bus boarding/alighting points when free shuttle bus service is ready;
- (d) during service disruption, using LCD screens installed at visible locations near station entry gates of to provide train service information and other important notices;

- (e) posting railway service disruption message and information on free MTR shuttle bus services on the MTR website and MTR Mobile App “Traffic News”;
- (f) displaying alternative public transport information on maps in the concourse of affected stations; and
- (g) distributing “Rail Service Suspension – Passenger Guide” to passengers.

### **Operation of train and free MTR shuttle bus during serious railway service disruptions**

8. In the event of serious service disruption, the MTRCL will endeavour to minimise the area being affected and provide train service to the farthest extent by:

- (a) reversing trains at designated track sections to maintain train service in unaffected sections;
- (b) diverting trains through supplementary track sections to bypass the affected section;
- (c) diverting trains across lines through designated track sections to reduce the impact of service disruption; and
- (d) diverting trains through spare track sections to reduce the impact of service disruption (for example, when the cross-harbour section of Tseung Kwan O Line is suspended, depending on which section is affected, cross-harbour train service can be maintained via the Service Connection Tunnel of Kwun Tong Line to provide linkage between Lam Tin Station and Quarry Bay Station).

9. The MTRCL has formulated free shuttle bus deployment plans for railway incidents and agreements have been entered into with bus operators for the provision of such services during railway incidents to take affected passengers to the nearest MTR station still under normal operation to continue their journeys.

### *Operation of free MTR shuttle buses*

10. Free MTR shuttle bus service is a supplementary measure to assist passengers to travel to convenient locations. Given the limited carrying capacity of shuttle buses, it is not intended to be a substitute for normal train service. It brings passengers to the nearest station outside the affected section of a railway line where service is disrupted, to enable them to continue with their journeys. Shuttle buses would also stop at stations in the affected section to provide services to passengers.

### *Activation of free MTR shuttle bus services*

11. The number of free MTR shuttle buses and the level of shuttle bus service to be deployed during a railway incident will depend on which section of the railway line is involved and the seriousness of the situation. Generally speaking, according to the agreement between the MTRCL and the Public Omnibus Operators Association (POOA)<sup>1</sup>, when free MTR shuttle bus service is needed, the POOA will arrange about 7 buses to provide service within 30 to 45 minutes after receiving the MTRCL's notification; an additional 40 buses, if required, will be deployed within 1 to 1.5 hour; and about 100 buses in total after 2 to 2.5 hours. The actual number of buses to be deployed will depend on the extent of impact to train service and road traffic condition. Depending on the actual situation, the MTRCL may operate additional shuttle buses or modify the operating details of shuttle bus services to suit the need of the affected passengers.

12. Information on the estimated arrival time, locations of and routes to boarding and alighting points of free MTR shuttle buses is included in MTRCL's "Rail Service Suspension – Passenger Guide" which is tailor-made for each station for distribution in the station. The Guide is also uploaded to MTRCL's website ([http://www.mtr.com.hk/en/customer/services/needs\\_index.html](http://www.mtr.com.hk/en/customer/services/needs_index.html)).

13. Since the carrying capacity of shuttle buses is far below that of the railway, they can only serve as a support service to assist affected passengers to continue with their journeys. It is not possible for shuttle buses to serve as replacement for the entire railway service. Therefore, lines queuing for such bus service are expected and most passengers may

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<sup>1</sup> POOA is the confederation of non-franchised public bus operators in Hong Kong. At present, more than 200 non-franchised operators are members of the POOA, and together having a fleet of about 4 000 buses which accounts for about 60% of the total non-franchised buses operating in Hong Kong.

have to change to other unaffected MTR lines or take alternative public transport services to travel to their destinations.

## **Manpower Deployment**

14. In response to a service disruption incident, the MTRCL staff would be on duty at each MTR station to carry out crowd management duties, make public announcements, issue station notices and help passengers on fare matters according to the established procedures in times of incidents. The number of station staff will be increased as needed.

15. The MTRCL has also established a dedicated Customer Service Rapid Response Unit (“CSRRU”) with around 90 members to provide additional support focusing on customer service on top of the manpower stationed at individual stations. The MTRCL will from time to time review the number of team members of the CSRRU as necessary.

16. Upon calling out the free MTR shuttle bus services during serious service disruption, the Operations Control Centre (“OCC”) of the MTRCL will mobilise team members of CSRRU to affected stations to provide extra support on:

- setting up facilities for the implementation of free MTR shuttle bus services;
- maintaining order at affected stations and free MTR shuttle bus boarding/alighting points;
- making timely reports to the OCC during incidents to facilitate more effective co-ordination with relevant Government departments such as the Police for better crowd management;
- handling enquiries and advising passengers on alternative routes and transport choices; and
- providing guidance and assistance to passengers.

17. Upon notification of deployment, CSRRU team members will proceed to the affected stations by the best available means of transport, including taxi. The first team would likely arrive within 20 minutes in most cases according to past experience. CSRRU team members are easily identifiable in their pink vests.

## **Regular review and updating**

18. The MTRCL will continue to regularly review and update its contingency plans for railway service disruption in consultation with relevant Government departments, in the light of operational experience gained.

Source: Annex II to the MTR Corporation Limited's paper on overhead line incident on MTR Kwun Tong Line on 10 April 2017 [LC Paper No. CB(4)890/16-17(03)]

Table 1: Tiered table for the “Service Performance Arrangement” introduced after the 2017 FAM Review

<b>Train Service Disruptions</b>	<b>Level of Penalty per Incident (subject to a maximum of \$25M per incident)</b>
Equal to or more than 31 minutes but less than or equal to one hour	\$1M
More than one hour but less than or equal to two hours	\$2M
More than two hours but less than or equal to three hours	\$3M
More than three hours but less than or equal to four hours	\$5M
Each additional hour (or part thereof) exceeding four hours	\$2.5M

From 2012 to 2015, there were a total of 33 cases of such serious service disruption. MTRCL offered in total \$71.5 million in fare concessions to passengers in the next years (i.e. from 2013/14 to 2016/17) under this arrangement. Details are set out in Table 2 below.

Table 2: The amount set aside by MTRCL under the “Service Performance Arrangement” from 2013-2014 to 2016-2017, arising from the incidents happened in 2012 - 2015

	<b>“Service Performance Arrangement”</b>	
<b>Year</b>	<b>Number of serious service disruptions within MTRCL’s control<sup>1</sup></b>	<b>Amount set aside for fare concession in the subsequent year<sup>2</sup></b>
2012	8	\$13 million
2013	5	\$27.5 million
2014	12	\$20 million
2015	8	\$11 million
<b>Total</b>	<b>33</b>	<b>\$71.5 million</b>

Source: Legislative Council Brief on review outcome of the Fare Adjustment Mechanism of the MTR Corporation Limited (File Ref.: THB(T)CR 19/5591/00)

<sup>1</sup> Serious service disruptions are defined as disruptions of 31 minutes or above caused by factors within MTRCL's control.

<sup>2</sup> The amount set aside for fare concession depends on the number of incidents and the length of service disruption.

**Panel on Transport**  
**Subcommittee on Matters Relating to Railways**

**List of relevant papers on service disruption of East Rail Line on  
11 January 2018 and contingency arrangements  
for railway incidents by the MTR Corporation Limited**

Date of meeting	Committee	Minutes/Paper	LC Paper No.
8.2.2012	Council meeting	Hon Mrs Sophie LEUNG LAU Yau-fun raised a question on contingency arrangements for railway incidents	<a href="http://www.info.gov.hk/gia/general/201202/08/P201202080250.htm">http://www.info.gov.hk/gia/general/201202/08/P201202080250.htm</a>
20.12.2013	Subcommittee on Matters Relating to Railways	Administration's paper on Tseung Kwan O Line service disruption on 16 December 2013	CB(1)595/13-14(01)  <a href="http://www.legco.gov.hk/yr13-14/chinese/panels/tp/tp_rdp/papers/tp_rdp1220cb1-595-1-c.pdf">http://www.legco.gov.hk/yr13-14/chinese/panels/tp/tp_rdp/papers/tp_rdp1220cb1-595-1-c.pdf</a>
		Minutes	CB(1)1011/13-14  <a href="http://www.legco.gov.hk/yr13-14/english/panels/tp/tp_rdp/minutes/rdp20131220.pdf">http://www.legco.gov.hk/yr13-14/english/panels/tp/tp_rdp/minutes/rdp20131220.pdf</a>
28.2.2014	Subcommittee on Matters Relating to Railways	Administration's paper on follow-ups on the service suspension of Tseung Kwan O Line and part of Kwun Tong Line on 16 December 2013, and report on subsequent major incidents on East Rail Line and Light Rail	CB(1)980/13-14(05)  <a href="http://www.legco.gov.hk/yr13-14/english/panels/tp/tp_rdp/papers/tp_rdp0228cb1-980-5-e.pdf">http://www.legco.gov.hk/yr13-14/english/panels/tp/tp_rdp/papers/tp_rdp0228cb1-980-5-e.pdf</a>
		Minutes	CB(1)1928/13-14  <a href="http://www.legco.gov.hk/yr13-14/english/panels/tp/tp_rdp/minutes/rdp20140228.pdf">http://www.legco.gov.hk/yr13-14/english/panels/tp/tp_rdp/minutes/rdp20140228.pdf</a>

Date of meeting	Committee	Minutes/Paper	LC Paper No.
19.3.2014	Council meeting	Dr Hon LAU Wong-fat raised a question on MTR services	<a href="http://www.info.gov.hk/gia/general/201403/19/P201403190438.htm">http://www.info.gov.hk/gia/general/201403/19/P201403190438.htm</a>
9.4.2014	Council meeting	Hon Albert HO Chun-yan raised a question on railway safety	<a href="http://www.info.gov.hk/gia/general/201404/09/P201404090399.htm">http://www.info.gov.hk/gia/general/201404/09/P201404090399.htm</a>
14.5.2014	Council meeting	Dr Hon LAM Tai-fai raised a question on MTR railway services	<a href="http://www.info.gov.hk/gia/general/201405/14/P201405140494.htm">http://www.info.gov.hk/gia/general/201405/14/P201405140494.htm</a>
21.5.2014	Council meeting	Hon CHAN Chi-chuen raised a question on MTR services	<a href="http://www.info.gov.hk/gia/general/201405/21/P201405210371.htm">http://www.info.gov.hk/gia/general/201405/21/P201405210371.htm</a>
28.5.2014	Council meeting	Hon Charles Peter MOK raised a question on MTR East Rail Line incidents	<a href="http://www.info.gov.hk/gia/general/201405/28/P201405270868.htm">http://www.info.gov.hk/gia/general/201405/28/P201405270868.htm</a>
4.7.2014	Subcommittee on Matters Relating to Railways	MTR Corporation Limited's paper on East Rail Line service disruptions on 27 and 28 April, and 1 and 2 May 2014	CB(1)1722/13-14(01) <a href="http://www.legco.gov.hk/yr13-14/english/panels/tp/tp_rdp/papers/tp_rdp0704cb1-1722-1-e.pdf">http://www.legco.gov.hk/yr13-14/english/panels/tp/tp_rdp/papers/tp_rdp0704cb1-1722-1-e.pdf</a>
		Administration's supplementary information on East Rail Line service disruptions on 27 and 28 April, and 1 and 2 May 2014 (follow-up paper)	CB(4)520/14-15(01) <a href="http://www.legco.gov.hk/yr13-14/chinese/panels/tp/tp_rdp/papers/tp_rdp4-520-1-c.pdf">http://www.legco.gov.hk/yr13-14/chinese/panels/tp/tp_rdp/papers/tp_rdp4-520-1-c.pdf</a>
		Minutes	CB(1)139/14-15 <a href="http://www.legco.gov.hk/yr13-14/english/panels/tp/tp_rdp/minutes/rdp20140704.pdf">http://www.legco.gov.hk/yr13-14/english/panels/tp/tp_rdp/minutes/rdp20140704.pdf</a>



Date of meeting	Committee	Minutes/Paper	LC Paper No.
2.1.2015 & 6.3.2015	Subcommittee on Matters Relating to Railways	MTR Corporation Limited's paper on the outcome of the independent expert's review on MTR overhead line system as a result of the insulator incidents in February 2014	CB(4)287/14-15(05) <a href="http://www.legco.gov.hk/yr14-15/english/panels/tp/tp_rdp/papers/tp_rdp20150102cb4-287-5-e.pdf">http://www.legco.gov.hk/yr14-15/english/panels/tp/tp_rdp/papers/tp_rdp20150102cb4-287-5-e.pdf</a>
		Minutes	CB(4)623/14-15 <a href="http://www.legco.gov.hk/yr14-15/english/panels/tp/tp_rdp/minutes/rdp20150102.pdf">http://www.legco.gov.hk/yr14-15/english/panels/tp/tp_rdp/minutes/rdp20150102.pdf</a> CB(4)1108/14-15 <a href="http://www.legco.gov.hk/yr14-15/english/panels/tp/tp_rdp/minutes/rdp20150306.pdf">http://www.legco.gov.hk/yr14-15/english/panels/tp/tp_rdp/minutes/rdp20150306.pdf</a>
2.12.2015	Council meeting	Hon WONG Yuk-man raised a question on monitoring service performance of MTRCL	<a href="http://www.info.gov.hk/gia/general/201512/02/P201512020402.htm">http://www.info.gov.hk/gia/general/201512/02/P201512020402.htm</a>
9.12.2015	Council meeting	Hon Michael TIEN Puk-sun raised a question on train services	<a href="http://www.info.gov.hk/gia/general/201512/09/P201512090545.htm">http://www.info.gov.hk/gia/general/201512/09/P201512090545.htm</a>
23.11.2016	Council meeting	Hon LUK Chung-hung raised a question on upgrade of signalling systems for railway lines	<a href="http://www.info.gov.hk/gia/general/201611/23/P2016112300399.htm">http://www.info.gov.hk/gia/general/201611/23/P2016112300399.htm</a>
17.1.2017	Subcommittee on Matters Relating to Railways	MTR Corporation Limited's paper on the power outage incident and other minor incidents involving station facilities occurred at the South Island Line	CB(4)416/16-17(01) <a href="http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/papers/tp_rdp20170117cb4-416-1-e.pdf">http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/papers/tp_rdp20170117cb4-416-1-e.pdf</a>

Date of meeting	Committee	Minutes/Paper	LC Paper No.
		Minutes	CB(4)864/16-17  <a href="http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/minutes/rdp20170117.pdf">http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/minutes/rdp20170117.pdf</a>
1.3.2017	Council meeting	Hon KWOK Wai-keung raised a question on MTR South Island Line	<a href="http://www.info.gov.hk/gia/general/201703/01/P2017030100365.htm">http://www.info.gov.hk/gia/general/201703/01/P2017030100365.htm</a>
		Hon WU Chi-wai raised a question on fire incident at MTR train and public transport safety	<a href="http://www.info.gov.hk/gia/general/201703/01/P2017030100246.htm">http://www.info.gov.hk/gia/general/201703/01/P2017030100246.htm</a>
		Hon CHAN Chi-chuen raised a question on railway service disruptions	<a href="http://www.info.gov.hk/gia/general/201703/01/P2017030100561.htm">http://www.info.gov.hk/gia/general/201703/01/P2017030100561.htm</a>
22.3.2017	Council Meeting	Hon CHAING Lai-wan raised a question on Fire incident at MTR train and public transport safety	<a href="http://www.info.gov.hk/gia/general/201703/22/P2017032200323.htm?fontSize=1">http://www.info.gov.hk/gia/general/201703/22/P2017032200323.htm?fontSize=1</a>
28.4.2017	Subcommittee on Matters Relating to Railways	MTR Corporation Limited's paper on the overhead line incident on MTR Kwun Tong Line on 10 April 2017	CB(4)890/16-17(03)  <a href="http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/papers/tp_rdp20170428cb4-890-3-e.pdf">http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/papers/tp_rdp20170428cb4-890-3-e.pdf</a>
		Administration's paper on the service disruption of Kwun Tong Line on 10 April 2017 and progress update on enhancement of MTR station facilities	CB(4)1286/16-17(01)  <a href="http://www.legco.gov.hk/yr16-17/chinese/panels/tp/tp_rdp/papers/tp_rdp20170428cb4-1286-1-c.pdf">http://www.legco.gov.hk/yr16-17/chinese/panels/tp/tp_rdp/papers/tp_rdp20170428cb4-1286-1-c.pdf</a>
		Minutes	CB(4)119/17-18  <a href="http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/minutes/rdp20170428.pdf">http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/minutes/rdp20170428.pdf</a>

Date of meeting	Committee	Minutes/Paper	LC Paper No.
2.6.2017	Subcommittee on Matters Relating to Railways	MTR Corporation Limited's paper on the overhead line incident on MTR East Rail Line on 18 May 2017	CB(4)1099/16-17(01) <a href="http://www.legco.gov.hk/yr16-17/chinese/panels/tp/tp_rdp/papers/tp_rdp20170602cb4-1099-1-c.pdf">http://www.legco.gov.hk/yr16-17/chinese/panels/tp/tp_rdp/papers/tp_rdp20170602cb4-1099-1-c.pdf</a>
		Paper on service disruption of East Rail Line on 18 May 2017 and contingency arrangements for railway incidents by the MTR Corporation Limited by the Legislative Council Secretariat (background brief)	CB(4)1099/16-17(02) <a href="http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/papers/tp_rdp20170602cb4-1099-2-e.pdf">http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/papers/tp_rdp20170602cb4-1099-2-e.pdf</a>
		Administration's supplementary information on the overhead line incident of MTR East Rail Line on 18 May 2017 (follow-up paper) (Chinese version only)	CB(4)169/17-18(01) <a href="http://www.legco.gov.hk/yr16-17/chinese/panels/tp/tp_rdp/papers/tp_rdp20170602cb4-169-1-c.pdf">http://www.legco.gov.hk/yr16-17/chinese/panels/tp/tp_rdp/papers/tp_rdp20170602cb4-169-1-c.pdf</a>
		Minutes	CB(4)132/17-18 <a href="http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/minutes/rdp20170602.pdf">http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/minutes/rdp20170602.pdf</a>
		Administration's response to the letters from Hon Nathan LAW Kwun-chung and Hon Tanya CHAN on the railway incident of MTR South Island Line (East) on 21 June 2017	CB(4)1408/16-17(01) <a href="http://www.legco.gov.hk/yr16-17/chinese/panels/tp/tp_rdp/papers/tp_rdp20170602cb4-1408-1-c.pdf">http://www.legco.gov.hk/yr16-17/chinese/panels/tp/tp_rdp/papers/tp_rdp20170602cb4-1408-1-c.pdf</a>
		Administration's response to the joint letter from Hon Alvin YEUNG, Hon Tanya CHAN and Hon Jeremy	CB(4)1533/16-17(01) <a href="http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/papers/tp_rdp20170602cb4-1533-1-c.pdf">http://www.legco.gov.hk/yr16-17/english/panels/tp/tp_rdp/papers/tp_rdp20170602cb4-1533-1-c.pdf</a>

<b>Date of meeting</b>	<b>Committee</b>	<b>Minutes/Paper</b>	<b>LC Paper No.</b>
		TAM Man-ho on recent railway incidents	<a href="ers/tp_rdpcb4-1533-1-e.pdf">ers/tp_rdpcb4-1533-1-e.pdf</a>
31.1.2018	Council meeting	Dr Hon Elizabeth Quat raised a question on Railway service disruption	<a href="http://www.info.gov.hk/gia/general/201801/31/P2018013100633.htm?fontSize=1">http://www.info.gov.hk/gia/general/201801/31/P2018013100633.htm?fontSize=1</a>

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