

## Recommendation(s) Status: Runaway incidents on Blackpool Transport Services Tramway




This report is based on information provided to the RAIB by the relevant safety authority or public body.

The status of implementation of the recommendations, as reported to us, has been divided into six categories:

### Key to Recommendation Status

<b>Implemented:</b>	All actions to deliver the recommendation have been completed.
<b>Implemented by alternative means:</b>	The intent of the recommendation has been satisfied in a way that was not identified by the RAIB during the investigation.
<b>Implementation ongoing:</b>	Work to deliver the intent of the recommendation has been agreed and is in the process of being delivered.
<b>In-progress:</b>	The relevant safety authority has yet to be satisfied that an appropriate plan, with timescales, is in place to implement the recommendation; and work is in progress to provide this.
<b>Non-implementation:</b>	Regulation 12(2)(b)(iii) = recommendation considered and no implementation action to be taken.
<b>Awaiting response:</b>	Awaiting initial report from the relevant safety authority or public body on the status of the recommendation.

RAIB concerns on actions taken by organisations in response to recommendations are reflected in this report and are indicated by one of the following.

-  The red triangle shows recommendations where the RAIB has concerns that no actions have been taken in response to a recommendation.
-  The blue triangle shows recommendations where the RAIB has concerns that the actions taken, or proposed, are inappropriate or insufficient to address the risk identified during the investigation.
-  The white triangle shows recommendations where the RAIB notes substantive actions have been reported, but the RAIB still has concerns.

Note: The tables which follow, report the status of recommendations on 31 December 2015. In some other cases the end implementer has already sent information to the relevant safety authority about the actions it has taken, or proposes to take and the safety authority is considering whether it is satisfied that those actions and the associated timescales are accepted.

Number/ Date/ Report No/ Inv Title / Current Status	Safety Recommendation	Summary of current status (based on latest report from the relevant safety authority or public body)
<p>1            03/12/2005    05/2006</p> <p>Runaway incidents on Blackpool Transport Services Tramway Status: Implemented</p>	<p>Following the first incident, BTS took action as described in paragraphs 37 above to fully brief drivers about the correct procedures when changing ends.</p>	<p>Blackpool Transport Services has reported that it has taken actions in response to this recommendation. ORR proposes to take no further action unless they become aware that the information provided becomes inaccurate.</p>
<p>2            03/12/2005    05/2006</p> <p>Runaway incidents on Blackpool Transport Services Tramway Status: Implemented</p>	<p>BTS lagged air pipes on the 'Centenary' and 'Jubilee' tramcars to reduce the risk of the braking system freezing, as described in paragraph 36. (BTS has now added lagging to the pipework in this area to reduce the risk of freezing of moisture in the pipes and valves). RAIB agrees these actions would mitigate the risks associated with the first incident.</p>	<p>Blackpool Transport Services has reported that it has taken actions in response to this recommendation. ORR proposes to take no further action unless they become aware that the information provided becomes inaccurate.</p>
<p>3            03/12/2005    05/2006</p> <p>Runaway incidents on Blackpool Transport Services Tramway Status: Implemented</p>	<p>After the second incident, BTS designed a modification to the controller end cover which prevents the shaft from turning while the handle is being removed. A prototype was inspected during the RAIB's investigation. A production version has since been fitted to all ten trams with this type of controller.</p>	<p>Blackpool Transport Services has reported that it has taken actions in response to this recommendation. ORR proposes to take no further action unless they become aware that the information provided becomes inaccurate.</p>
<p>4            03/12/2005    05/2006</p> <p>Runaway incidents on Blackpool Transport Services Tramway Status: Implemented</p>	<p>Inspection and maintenance procedures for the controllers were reviewed following the first incident. Controllers are now inspected daily and the screws securing the covers tightened if necessary, and records are kept of this check.</p>	<p>Blackpool Transport Services has reported that it has taken actions in response to this recommendation. ORR proposes to take no further action unless they become aware that the information provided becomes inaccurate.</p>