

Ref:	NR/L2/TRK/6100/mod08
Issue:	1
Date:	07 March 2015
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Action Tables

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Issue record

Issue	Date	Comments
1	March 2015	First Issue

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 07 March 2015.

When this standard is implemented, it is permissible for all projects that have formally completed GRIP Stage 3 (Option Selection) to continue to comply with the issue of any relevant Network Rail standards current when GRIP Stage 3 was completed and not to comply with requirements contained herein, unless stipulated otherwise in the scope of this standard.

Reference documentation

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1 Purpose

This module specifies the minimum actions to be taken on discovery of a defect on fixed, 35mm adjustable and tubular stretcher bar assemblies.

The following rules apply to the action tables:

- a) if you are unsure of the appropriate minimum action, seek advice from your supervisor or section manager. If advice cannot be provided, or you suspect that the integrity of the stretcher bar system is compromised due to a combination of defects, block the line.
- b) inform the signaller immediately for all defects requiring the immediate imposition of speed restrictions
- c) inform infrastructure fault control of all stretcher bar defects
- d) investigate all defects to try to identify a root cause for the failure
- e) as instructed, complete an inspection to confirm that all restrictions remain valid and that the protection provided remains secure
- f) where a watchman is appointed they shall inspect the S&C at a frequency determined jointly by the TME and STME. The TME and STME shall review the risk posed by the defect and the frequency and speed of traffic. This may result in the watchman inspecting after every train or at regular time intervals (for example, every hour).
- g) record all defects in the Fault Management System (FMS).
- h) all stretcher bar defects shall be recorded in the Ellipse Asset Condition Module.
- i) where follow up actions require the replacement of a fixed or 35mm adjustable with a tubular stretcher bar this only applies to compatible S&C. For incompatible S&C a like for like replacement shall be undertaken.
- j) where follow up actions are not completed within the required timescale these shall be escalated to the RAM[S] to authorise the deviation.

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2 For fixed and 35mm adjustable stretcher bar brackets

Defect 1	Minimum actions:	Follow up actions:
<p>Broken or detached stretcher bar bracket ("Broken" - as in detached from stretcher bar) ("Detached" - as in bar no longer connected to rail due to bolts broken or missing)</p> 	<ul style="list-style-type: none"> impose 20mph speed restriction and clip and <u>scotch</u> points, appoint a watchman <p>or</p> <ul style="list-style-type: none"> ban facing moves 	<ul style="list-style-type: none"> replace bracket within 36 hours or replace bolts/fastenings if the bracket is detached replace complete stretcher bar assembly with a tubular stretcher bar assembly within 91 days SM(S) to lead joint investigation to establish the root cause of the defect
	<p>Restrictions for minimum actions: no loose or missing fastenings, cracked or broken brackets or bars in adjacent bars</p> <p>For adjustable stretcher bars: the M30 lock nuts are secure and tight</p> <p>If these conditions cannot be met or if it is considered unsafe, block the line</p>	

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Defect 2	Minimum actions:	Follow up actions:
<p>Fractured stretcher bar bracket ("Fractured" - as in broken through one side but still in one piece)</p> 	<p>or</p> <ul style="list-style-type: none"> impose 20mph speed restriction and inspect every 8 hours <p>or</p> <ul style="list-style-type: none"> clip and <u>scotch</u> points and impose 60mph speed restriction and inspect every 8 hours <p>or</p> <ul style="list-style-type: none"> ban facing moves 	<ul style="list-style-type: none"> replace bracket within 36 hours. replace complete stretcher bar assembly with a tubular stretcher bar assembly within 91 days SM(S) to lead joint investigation to establish the root cause of the defect
	<p>Restrictions for minimum actions: no loose or missing fastenings, cracked or broken brackets or bars in adjacent bars</p> <p>For adjustable stretcher bars: the M30 lock nuts are secure and tight</p> <p>If these conditions cannot be met or if it is considered unsafe, block the line</p>	

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Defect 3	Minimum actions:	Follow up actions
<p>Cracked front stretcher bar bracket (facing switches)</p> <p>(Crack greater than 10 mm)</p>	<ul style="list-style-type: none"> • appoint a watchman and impose 60mph speed restriction <p>or</p> <ul style="list-style-type: none"> • clip and scotch points and impose 60mph speed restriction and inspect every 8 hours. <p>or</p> <ul style="list-style-type: none"> • impose 20mph speed restriction <p>or</p> <ul style="list-style-type: none"> • ban facing moves 	<ul style="list-style-type: none"> • replace bracket within 36 hours. • replace complete stretcher bar assembly with a tubular stretcher bar assembly within 91 days • SM(S) to lead joint investigation to establish the root cause of the defect
	<p>Restrictions for minimum actions: no loose or missing fastenings, cracked or broken brackets or bars in adjacent bar.</p> <p>For Adjustable Stretcher Bars: The M30 lock nuts are secure and tight</p> <p>If these conditions cannot be met or if it is considered unsafe, block the line.</p>	

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Defect 4	Minimum actions:	Follow up actions
<p>Cracked stretcher bar bracket (intermediate, rear positions on facing points and all positions in trailing switches)</p> <p>(Crack greater than 10mm)</p>	<p>or</p> <ul style="list-style-type: none"> • appoint a watchman. • clip and scotch points and impose 60mph speed restriction. Inspect every 8 hours <p>or</p> <ul style="list-style-type: none"> • ban facing moves 	<ul style="list-style-type: none"> • replace bracket within 36 hours. • replace complete stretcher bar assembly with a tubular stretcher bar assembly within 91 days • SM(S) to lead joint investigation to establish the root cause of the defect
	<p>Restrictions for minimum actions: no loose or missing fastenings, cracked or broken brackets or bars in adjacent bar.</p> <p>For adjustable stretcher bars: the M30 lock nuts are secure and tight</p> <p>If these conditions cannot be met or if it is considered unsafe, impose 20mph speed restriction</p>	

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Defect 5	Minimum actions:	Follow up actions
Cracked stretcher bar bracket (facing switches) (Crack 5 to 10 mm)	<ul style="list-style-type: none"> inspect every 8 hours or <ul style="list-style-type: none"> clip and scotch points. 	<ul style="list-style-type: none"> replace bracket within 36 hours. replace complete stretcher bar assembly with a tubular stretcher bar assembly within 91 days SM(S) to lead joint investigation to establish the root cause of the defect
	<p>Restrictions for minimum actions: no loose or missing fastenings, cracked or broken brackets or bars in adjacent bar.</p> <p>For adjustable stretcher bars: the M30 lock nuts are secure and tight</p> <p>If these conditions cannot be met or if it is considered unsafe, impose 20mph speed restriction</p>	

Defect 6	Minimum actions:	Follow up action
Cracked stretcher bar bracket (trailing switches) (Crack 5 to 10mm)	<ul style="list-style-type: none"> inspect every 7 days or <ul style="list-style-type: none"> clip and scotch points 	<ul style="list-style-type: none"> replace bracket within 14 days replace complete stretcher bar assembly with a tubular stretcher bar assembly within 91 days SM(S) to lead joint investigation to establish the root cause of the defect

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Defect 7	Minimum action:	Follow up action
<p>Cracked stretcher bar bracket</p> <p>(Crack less than 5mm)</p>	<ul style="list-style-type: none"> inspect daily (facing switches) inspect every 7 days (trailing switches) 	<ul style="list-style-type: none"> replace bracket within 14 days. replace complete stretcher bar assembly with a tubular stretcher bar assembly within 91 days SM(S) to lead joint investigation to establish the root cause of the defect
