

# BICYCLES ON TRAINS

## RISK SCREENING & Recommendations

16 June 2008

### A] Scope

1. To identify hazards and screen the risk associated with carriage of bicycles on Tranz Metro Trains currently and after introduction of free carriage of bicycles policy.

### C] Method

National Rail System Standard / 4 – Risk Management: Risk Screening<sup>1</sup>

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<sup>1</sup> 5x5 Matrix: attachment 1

Activity	Hazard	Current Risk			Current Controls	Risk per Increased Bike Traffic		New Controls (additional)	Residual Risk
		Likelihood	Consequence	Rating		Likelihood	Consequence		
A. Bicycles on Platforms	A1. Cyclists/Bicycles Falling onto tracks	2	4	8	Signage and enforcement by staff	3	4	Interim arrangements (till longer term solution). 'Bicycle on Trains' rules for public developed plus improved publicity and signage;	4 (1*4)
	A2. Trips and Falls on platform	2	2	4	Signage and enforcement by staff	4	2	1 Develop and provide clear rules for public re procedures – walk etc. 2. No bikes from stadium events and rail replacement 3. Publicity - on Train/Station, pamphlets, metro website, newspaper, radio, cyclists website	4 (2*2)
B. Carriage of Bicycles on Train	B1. Emergency thoroughfare blocked on-board	4	2	8	Staff enforcement	5	2	1. Maximum of 2 bicycles per 2 car set 2. TM to manage dog box space – discretion on loading and carriage of goods	2 (1*2)
	B2. Hit by unsecured bikes	4	2	8	Passengers not permitted in Dog box	4	2	1. Passengers not allowed in dog box 2. Bicycles secured in dog box. 3. Storage procedure developed by Tranz Metro – role of Cyclist and TM in loading and storage of bikes	1 (1*1)
C. Getting bikes on/off trains	C1. Physical hazard on Manual Lifting of bicycle from platform to train	3	2	6	TM/PO Training	4	2	1. Passengers to lift bikes onto/off train – presentation at dog box external door. 2. Bike door signs and rules on dog box door	1 (1*1)
	D1. Customer angst	2	2	4	TM/PO Training	5	2	Let Public and Staff know of expectations, evaluate the trial and investigate alternate bicycle management approaches. 1. Defer date for trial Aug 1 2. Organise trial and then run it. 3. Provide clear guidelines for staff on conflict management 4. Obtain active feedback on trial 5. Provide complaints process 6. Measure Mis 7s re delays Validate risk assessment - if time. (HSAT) 7. Investigate alternate bicycle storage system(s) re dedicated cycle space on trains. 8. Promote use of green boxes	4 (2*2)

## **D] Discussion:**

Carriage of bicycles on Ganz and English Electric trains is permitted currently only in dog boxes. Bicycle storage in these areas is extremely limited and the number accepted on trains is at the discretion of the Train Managers. It is to be noted that there is no current means for 'securing' bicycles within the dog box in any substantive way.

This risk screening has identified the following key issues.

- That the number of bicycles that may be managed safely on the current rolling stock is very limited. The number of bicycles that are deemed to be safely storable in the dog boxes is 2 bicycles per 2 carriage set.
- That there is no current means for securing bikes in the dog box.
- That there are no written guidelines for the public or staff on bicycle management at stations or on trains

## **E] Recommendations:**

1. That the maximum number of bikes carried is 2 bicycles per 2 car set
2. That bikes be secured in the dog box. That units and carriages be converted in a staged manner. All units and carriages to be converted by end-August: Timetable.
3. That Passengers self-lift bikes on/off the train at the dog boxes.
4. That Signage on 'rules of carriage' to be provided on train – dog box door and in saloon, by end July.
5. Brochures be prepared for passengers and staff outlining requirements for carriage of bikes, by end July
6. Business as usual for unconverted units/carriages
7. A trial period be used to gather real information on actual and potential usage and Passenger reaction to the scheme. (Time period of 1 month for the trial)
8. For the longer term, investigations be conducted into the provision of dedicated space on Tranz Metro trains for the carriage of prams, bikes etc. by end August.

**F] NOTES:** This final copy of the Risk Analysis is the result of an initial risk screening session and feed-back from participants.