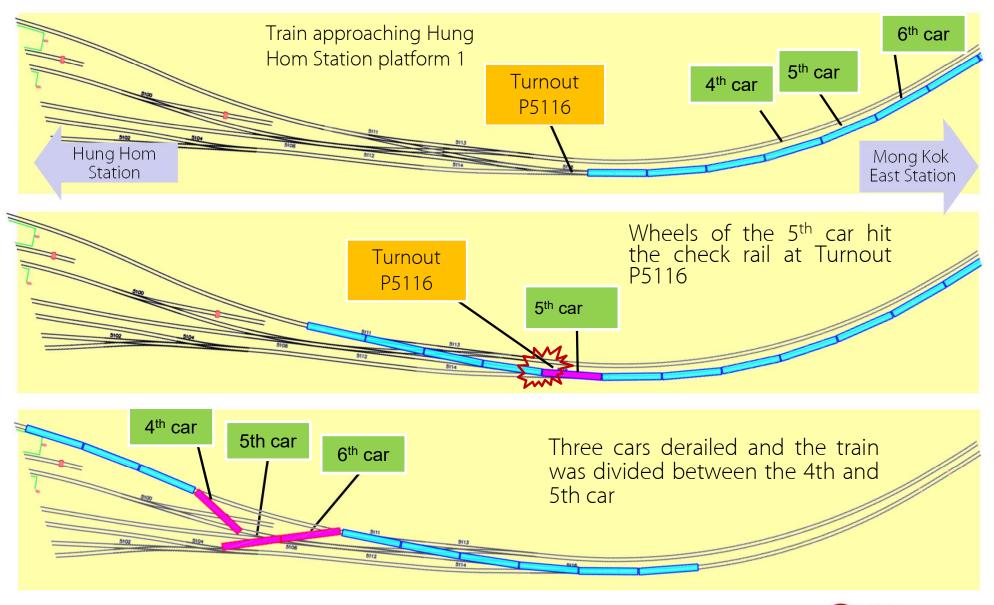


Derailment Incident at Hung Hom Station on East Rail Line (17 Sept 2019)

Legislative Council
Subcommittee on Matters Relating to Railways

5 May 2020

The incident



MTR Corporation 5/5/2020



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Components of ballasted track at East Rail Line



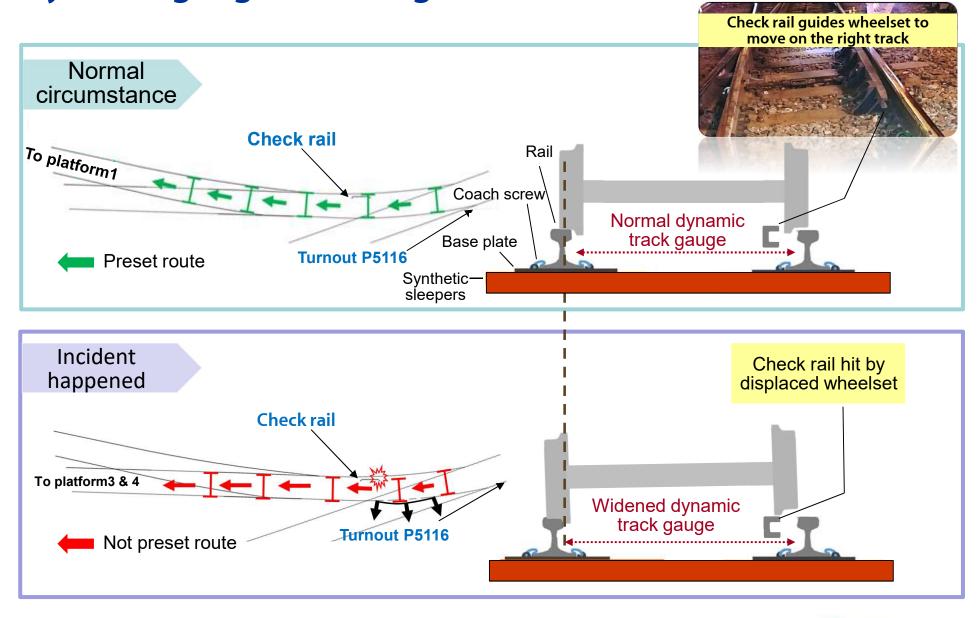
MTR Corporation



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5/5/2020

Dynamic gauge widening at Turnout P5116

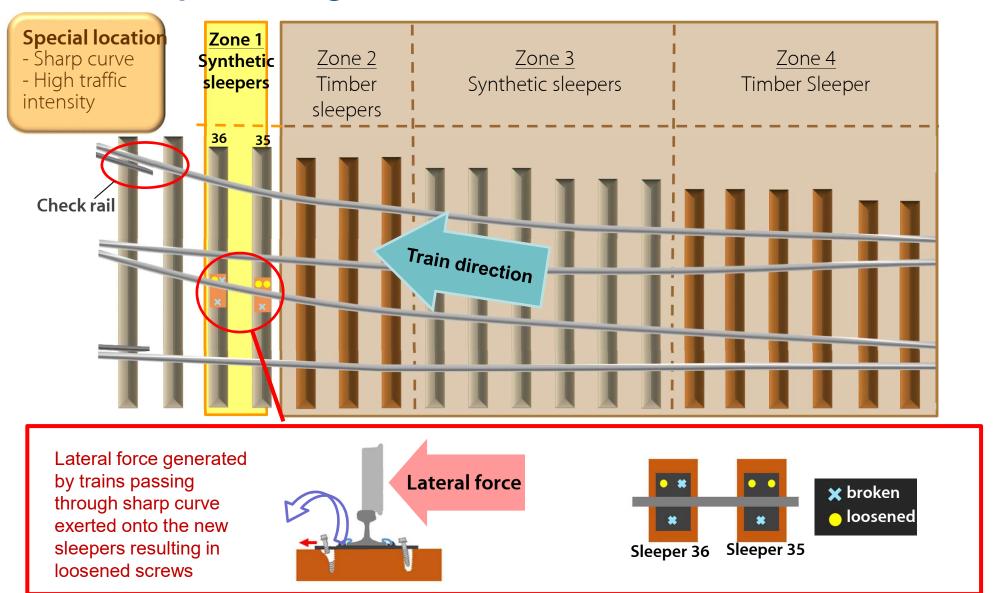


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Sleeper arrangement at Turnout P5116



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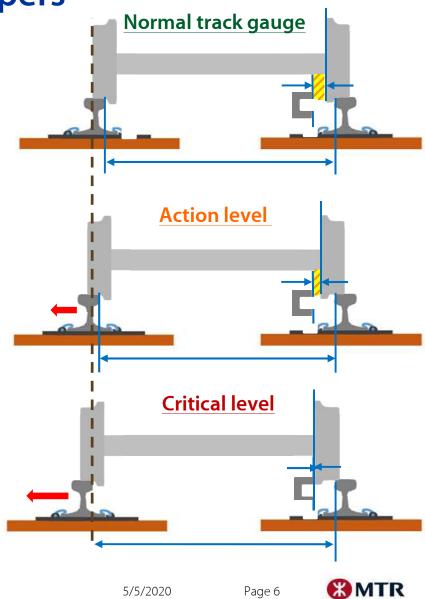
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Incident cause - Knowledge Gap of Interaction between the two types of sleepers

Knowledge gap – lack of informed judgment on the scope, timeliness and effectiveness of remedial measures to correct track gauge

Reliance on experience – follow up actions not carried out strictly in accordance with procedures

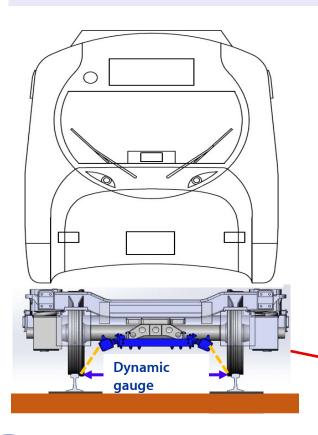
Situation not timely escalated



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Improvement measures taken (1)

Implemented new technology to monitor track gauge and track integrity and gauge in traffic hours



Trial run of new equipment underway



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2 Enhanced change management before introducing track technology new to MTR

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Improvement measures taken (2)

Adopted a "step" approach to refine maintenance action threshold and enhance monitoring of compliance

Critical level

Action level

Accelerated the planned replacement of East Rail Line timber sleepers





Developed measures to address the variation in lateral stiffness after timber sleepers are replaced by synthetic sleepers

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END

