

Arrival of 12 New Trains in LTA Livery

Kawasaki Sifang Consortium (KSF) was awarded the contract to deliver 12 new trains for the North-South and East-West Lines (NSEWL) in September 2015.

The safety, functionality, passenger comfort and performance of the trains and associated sub-systems are thoroughly tested and validated before the new trains are shipped to Singapore. LTA engineers are also stationed at the KSF factory in Qingdao to ensure consistently high standards throughout the process of train assembly and testing.



Figure 2: Inspection of train carbody parts



Figure 3: Inspection of the train exterior after testing

The trains will now undergo a further round of tests here in Singapore. Once testing and commissioning in Singapore is completed, these trains are expected to commence passenger service in the second half of 2018. All 57 trains will be put into service by the middle of 2019.

Design Features of the New C151C Trains

a) Livery

The new train livery incorporates red and green stripes against a white background. The colours symbolise the two lines that the trains will be operating on i.e. the North-South Line (red line) and the East-West Line (green line). This is also the first time that LTA's logo will be featured on the body of an NSEWL train.



Figure 4: Trains #01 and #02 in CRRC Sifang factory in Qingdao, China



Figure 5: Train #01 delivered to Tuas West Depot

b) Tip-up seats

These new trains will be the first in Singapore to incorporate tip-up seats. Four sets of tip-up seats with three seats each are located in the centre of each car. This feature is expected to provide more standing space for passengers during morning and evening peak periods.



Figure 6: The tip-up seats when folded



Figure 7: The tip-up seats when unfolded

c) Current Collector Device Shear-Off Detection Feature

The Current Collector Device (CCD) has been improved to provide timely information to the Train Integrated Management System (TIMS) in case any of the CCD shoes unexpectedly shear off. The CCD shoes are in contact with the third rail, which supplies electrical power to the train. This new feature will allow the Train Captain to take prompt remedial action if any of the CCD shoes are sheared off.