

CTA desires to install the transit car simulator systems produced by Corys which have been in storage since 2011. The condition of the simulator after such a long period of storage is not known. The purpose is to propose a support project to assist CTA in this installation effort. The plan is based on a multi-phase approach which would be a combination of CTA resources, and an on-site engineer to assist CTA, and the supply of a motion base vendor expert for one week on-site to lead the installation of the base, if the base is assessed to be in a condition satisfactory for installation.

Phase 1 SCOPE OF WORK

The following tasks will be performed to assess the as-found condition. This phase is designed to be executed as long as assessment results verify the simulator systems are in a satisfactory condition.

- To prepare a facility installation plan based on facility configuration information provided by CTA and submit this plan to CTA for approval.
- CTA will perform any facility modifications required by the approved installation plan.
 - To technically support the CTA in the unpacking, inspection and cleaning of all parts with the exception of the motion system.
 - To technically support the CTA in the unpacking and inspection of the motion system. The goal of this step is to confirm that the condition of the base warrants the dispatch of the motion base manufacturers expert to the site. If the base does not appear to be in a suitable condition, vendor will discuss a Phase 2 task with the CTA for the motion base refurbishment.
 - To technically support CTA staff with the installation of the components with the exception of the motion system. To then technically support CTA to connect and power up each component and assess their operational condition. Any parts found to be defective will either be replaced from the provided spares store or be purchased by CTA with consultation.
 - To contract with the motion base vendor to provide a motion base expert on site to perform a more detailed inspection of the transmission belts, inspection of the pneumatic system, lubrication, and cleaning. The motion base vendor will then power up the base and assess its performance capability.
 - Assuming the motion system is found to be in satisfactory condition the cab will be mounted on the base by CTA with the technical support of the motion base vendor and vendor.
- If component assessments are satisfactory, the vendor will then continue with hardware functional tests for all subsystems.
- Upon completion of successful subsystems test, the vendor will perform the site acceptance tests to complete the assessment. At this time, discrepancies observed during the Factory Acceptance Test that are ready for validation will also be reviewed for closure.
- To then present a three day maintenance class and a one week user training class on site. This can be presented for a class size of a maximum 3 people.

Phase 1a SCOPE OF WORK

During Phase 1 there may be components which are found to be defective and prevent the simulators from being placed in service. Some examples of this may be one or more computers needing replacement or perhaps one or more motion actuators which may need factory service. If and when these situations arise the vendor may propose pricing for providing the parts, labor, services, and travel necessary to bring the system to a useful status.