

2050 INNOVATION HUB

Container Equipment Explainer

The equipment used to handle containers within the Terminal are Reach stackers, Empty handlers and tugs.

Empty handlers will only be used to lift empty containers. Reach stackers are used to lift laden or empty containers. The proportion of empty containers lifted by the reach stackers are noted in the Container equipment spreadsheet.

- **Containers in to the Terminal by Road**

When a container arrives at the terminal on a wagon, a Reach stacker will be used to lift the container off the wagon and to put it into a location.

If the container is empty, an Empty handler can be used instead of a Reach stacker.

If a container is laden, it can only be lifted with a Reach stacker.

- **Containers out of the Terminal by Road**

A Reach stacker* will be used to lift the container on to the wagon when it is leaving the Terminal.

- **Containers in to the Terminal by Vessel**

The container crane will lift the container off the vessel and put it on to a tug. The tug will take the container into the Terminal and a Reach stacker* will lift the container off the tug and put it into the correct location.

- **Containers out of the Terminal by Vessel**

The Reach stacker* will lift the container on to a tug, the tug will take the container to the quayside and the crane will load the container onto the vessel.

- **Re-org moves within the Terminal**

Sometimes it is necessary to move containers out of the way to get to the correct container that is leaving the Terminal via road or vessel. This is known as a re-org move. More than one container may be moved to get to the required container.

A Reach stacker* will lift a container off the stack and put it onto a tug. The tug will take it to a different location and a Reach stacker* take it off and put it in the new location.

* Or Empty handler – see Container equipment spreadsheet