Predefined path

Pick-up area

Drop-off area

Pick-up area

Monitoring system

- CRT color graphics display
- Pause/resume robots, view status
- The automated process must be started from an employee

Robot

- Can be able to follow a track
- Can pick up a container weighting up to 500 kg
- Can transfer a container
- Automatically return to start position
- Drop off the container
- Not to be driven on a platform
- Streamlined and aerodynamic minimizing the time to pick-up and drop-off the container
- Prone to errors (speed etc.)
- Must have an emergency break
- Have status and provide status updates
- Can be paused/resumed
- Can measure weight
- Wireless transmitter
- Collision avoidance sensors

Robot

- Prone to errors (speed etc.) (15.5%)
- Not to be driven on a platform (10%)
- Can pick up a container weighting up to 500 kg (8%)
- Streamlined and aerodynamic minimizing the time to pick-up and drop-off the container (7%)
- Wireless transmitter (6%)
- Collision avoidance sensors (7%)
- Can measure weight (6.5%)
- Can be able to follow a track (4%)
- Drop off the container (4%)
- Automatically return to start position (3%)
- Can transfer a container (3%)
- Have status and provide status updates (2.5%)
- Must have an emergency break (2%)
- Can be paused/resumed (1.5%)

Predefined path

- Magnetic tape (10%)

Monitoring system

- CRT color graphics display (3%)
- Pause/resume robots, view status (6%)
- The automated process must be started from an employee (0.5%)