

Quick reference card

Charterparty

<input type="checkbox"/>	Are the requirements for manual sweeping explicitly defined in the charterparty, and is the responsible party identified (ship's crew or shore service providers)?
<input type="checkbox"/>	Uniformity of sweeping instructions in recap and charterparty?
<input type="checkbox"/>	Time required for safe sweeping in all cargo tanks has been factored into the laytime calculations?
<input type="checkbox"/>	The number of tanks to be manually swept and necessity of SIMOPS considered for laytime calculation?

Cargo characteristics

<input type="checkbox"/>	Is cargo of a solidifying nature?
<input type="checkbox"/>	What toxic gases can evolve from the cargo: _____, _____, _____
<input type="checkbox"/>	Is heating required? Temperature range _____ to _____

Crew safety

<input type="checkbox"/>	Does the vessel have gas meters, chemical tubes and span gas for all gases present in the cargo?
<input type="checkbox"/>	Is the PPE suitable for handling the prevailing temperature range and chemical properties?
<input type="checkbox"/>	<p>Have the heat management guidelines for crew been developed?</p> <p>Some of the points that can be considered are:</p> <ul style="list-style-type: none"> • Maximum man entry period in reference to the ambient temperature inside the tank • Minimum rest period between consecutive entries • Maximum number of personnel necessary for sweeping operation per tank (entry and responsible personnel standing by) and capacity of the rescue equipment available • Continuous tank ventilation • Whether simultaneous tank entries can be undertaken
<input type="checkbox"/>	Is manning adequate or are additional shore resources required?

Port information

<input type="checkbox"/>	Are there any local regulations governing heat related hazards for personnel?
<input type="checkbox"/>	Is there a shore-based gang available for sweeping?

Note: This quick reference card is not a replacement for a comprehensive tank entry permit/checklist. Its purpose is to help stakeholders align their methods for safely performing the sweeping operation.