Survivor

A Wearable Cold Water Survival System
The Polar Code

"It is required that all passengers and crew be issued adequate thermal protection for a minimum of 5 days.

For passenger ships, a proper sized immersion suit or a thermal protective aid shall be provided for each person on board.

Where immersion suits are required, they shall be of the insulated type."
Current Cold Water Survival Gear
Easy pull tab for raft inflation

Clearance for access to zipper

Built into immersion suit

Backpack size allows for full range of motion

Life raft inflates to hold 2 people
## Why Survivor?

<table>
<thead>
<tr>
<th></th>
<th>Survivor</th>
<th>Immersion Suit</th>
<th>Inflatable Life Raft</th>
<th>Vest With Life Raft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact/Fire Resistance</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>High Visibility</td>
<td>✓</td>
<td>✗</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Ability to Give/Receive First Aid</td>
<td>✓</td>
<td>✗</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>No Water Exposure</td>
<td>✓</td>
<td>✗</td>
<td>✗</td>
<td>✓</td>
</tr>
</tbody>
</table>
Sketch Model Questions

Can we attach an inflated life raft so that it does not interfere with:

- walking in the suit
- range of motion