

# Ship Evacuation Messaging Policy: External report

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## 1 Evacuation phases and message objects

### Evacuation Phase 1: Emergency Inspection

**Start Event:** Bridge emergency inspection signal

**End Event:** Acknowledgement message for order reception

**Evacuation Tasks:** *T1.1*: Crew is ordered to move to the reported emergency area, *T1.2*: Crew received order - verification

**Message Actions:** *A1.2*: Order crew for visual inspection, *A1.3*: Acknowledgement of order reception

Message object 1.1:	Message Object 1.2:
Message Type: Notifications	Type: Notifications (feedback)
Sender: EC	Sender: Crew
Audience: Crew	Audience: EC
Layout: Text, Visual, Voice	Layout: Text
Medium: Mobile phone	Medium: Mobile phone
Delivery Channel: TMS	Delivery Channel: TMS
Body: Action 1.1 translated to message	Body: Action 1.2 translated to message

### Evacuation Phase 2: Situation assessment

**Start Event:** Emergency investigation starts

**End Event:** Emergency confirmation

**Evacuation Tasks:** *T2.1*: Crew confirms the emergency situation and provides visual feedback

**Message Actions:** *A2.1*: Emergency confirmation and visual feedback

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**Message object 2.1:**

Message Type: Communication Session

Sender: Crew

Audience: EC

Layout: Text, Visual, Voice, Video

Medium: Mobile phone

Delivery Channel: TMS

Body: Action 2.1 translated to message

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**Evacuation Phase 3: Decision to (or not) muster**

**Start Event:** Emergency confirmation

**End Event:** Decision to (or not) muster

**Evacuation Tasks:** *T3.1*: Evaluation of the ship's condition and how fast the emergency escalates, *T3.2*: The Master decides to muster

**Message Actions:** No messaging Action

No messages at this phase

**Evacuation Phase 4: Activation of evacuation procedure - Alerting passengers**

**Start Event:** Launch of evacuation protocol

**End Event:** Alert messages delivered

**Evacuation Tasks:** *T4.1* Crew is instructed to assume emergency posts, *T4.2* Crew at the designated posts - acknowledged, *T4.3* Passengers receive cues of the emergency

**Message Actions:** *A4.1*: Assume predesignated emergency posts, *A4.2*: Acknowledgement of position, *A4.3*: Emergency alerts

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**Message object 4.1:**

Message Type: Notifications

Sender: EC

Audience: Crew

Layout: Text, Visual

Medium: Mobile phone

Delivery Channel: TMS

Body: Action 4.1 translated to message

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**Message Object 4.3:**

Type: Notifications (feedback)

Sender: Crew

Audience: EC

Layout: Text

Medium: Mobile phone

Delivery Channel: TMS

Body: Action 4.2 translated to message

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**Message object 4.3:**

Message Type: Alerts

Sender: PaMEAS

Audience: Passengers

Layout: Text, Visual, Voice, Vibration

Medium: Mobile phone

Delivery Channel: EMS

Body: Action 4.3 translated to message

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**Evacuation Phase 5: Mustering**

**Start Event:** Mustering initiated (end of sending alert messages)

**End Event:** All passengers (counted) at Master Stations

**Evacuation Tasks:**

*T5.1* Passengers Location Monitoring,

*T5.2* Evacuation Warnings (immediate actions),

*T5.3* Personalized Notifications on how to reach the muster station (escape paths),

*T5.4* Personalized Notifications to passengers needing help (based on their health data),

*T5.5* Response unit dispatching to assist passengers needing help,

*T5.6* Personalized Evacuation Notifications to passengers - update,

*T5.7* Counting passengers at the Muster Stations

**Message Actions:**

*A5.2:* Personalized warnings,

*A5.3:* Notifications on how to reach the muster station allocated to

*A5.4:* Notifications to passengers in need (based on their health data)

*A5.5:* Instructions to crew in order to provide help to passengers in need (based on their health data)

*A5.6:* Notifications on changing contingencies

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**Message object 5.2:**

Message Type: Warnings

Sender: PaMEAS

Audience: Passengers

Layout: Visual, Text, Voice, Vibration

Medium: Mobile phone

Delivery Channel: EMS

Body: Action 5.2 translated to message

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**Message Object 5.3:**

Type: Notifications

Sender: PaMEAS

Audience: Passengers

Layout: Visual, Text

Medium: Mobile phone

Delivery Channel: EMS

Body: Action 5.3 translated to message

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<b>Message object 5.4:</b> Message Type: Notifications Sender: PaMEAS Audience: Passengers Layout: Visual, Text, Voice Medium: Mobile phone Delivery Channel: EMS Body: Action 5.5 translated to message	<b>Message Object 5.4:</b> Type: Notifications Sender: EC Audience: Crew Layout: Visual, Text, Voice Medium: Mobile phone Delivery Channel: TMS Body: Action 5.7 translated to message
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<b>Message object 5.6:</b> Message Type: Notifications Sender: PaMEAS Audience: Passengers Layout: Text, Visual, Voice Medium: Mobile phone Delivery Channel: EMS Body: Action 5.6 translated to message
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## Evacuation Phase 6: Embarkation<sup>1</sup>

**Start Event:** All passengers (counted) at Master Stations

**End Event:** All passengers (counted) at the Embarkation Station

### Evacuation Tasks:

*T6.1* Personalized Embarkation Notifications to passengers,

*T6.2* Passengers moving towards their assigned lifeboats,

*T6.3* Counting of passengers at the Embarkation Station

*T6.4* Embarkation Stations' supervisors reporting all clear

### Message Actions:

*T6.1:* Send embarkation notifications to passengers

<b>Message object 6.1:</b> Message Type: Notifications Sender: PaMEAS Audience: Passengers Layout: Text, Visual, Voice Medium: Mobile phone Delivery Channel: EMS Body: Action 6.1 translated to message
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<sup>1</sup> including preparations for embarkation

## Evacuation Phase 7: Incident management

**Start Event:** Incident occurrence

**End Event:** Incident successfully managed

### Evacuation Tasks:

*T7.1* Bridge is informed about the incident,

*T7.2* Bridge decides how to respond and informs (assigned) crew to move to the incident location,

*T7.3* Crew at the incident location - acknowledged,

*T7.4* Personalized Notifications to passengers in need (due to incident),

*T7.5* Assigned crew provides feedback and receives instructions from the Bridge

### Evacuation Tasks:

*A7.2* Order to move to incident location,

*A7.3* Acknowledgement of position,

*A7.4* Notifications to passengers in need,

*A7.5* Real time interaction with the assigned crew member(s)

<b>Message object 7.2:</b>	<b>Message Object 7.3:</b>
Message Type: Notifications	Type: Notifications (feedback)
Sender: EC	Sender: Crew
Audience: Crew	Audience: EC
Layout: Visual, Text, Voice	Layout: Text
Medium: Mobile phone	Medium: Mobile phone
Delivery Channel: TMS	Delivery Channel: TMS
Body: Action 7.2 translated to message	Body: Action 7.3 translated to message

<b>Message object 7.4:</b>	<b>Message Object 7.5:</b>
Message Type: Notifications	Type: Communication Session
Sender: PaMEAS	Sender: EC, Crew Managers
Audience: Passengers	Audience: Crew
Layout: Visual, Text, Voice, Vibration	Layout: Visual, Text, Voice
Medium: Mobile phone	Medium: Mobile phone
Delivery Channel: EMS	Delivery Channel: TMS
Body: Action 7.4 translated to message	Body: Action 7.5 translated to message