

Study on Reconstructing **Disaster Propagation Patterns** to Evaluate **Evacuation Actions** in Emergencies with **Adequate Lead Time**

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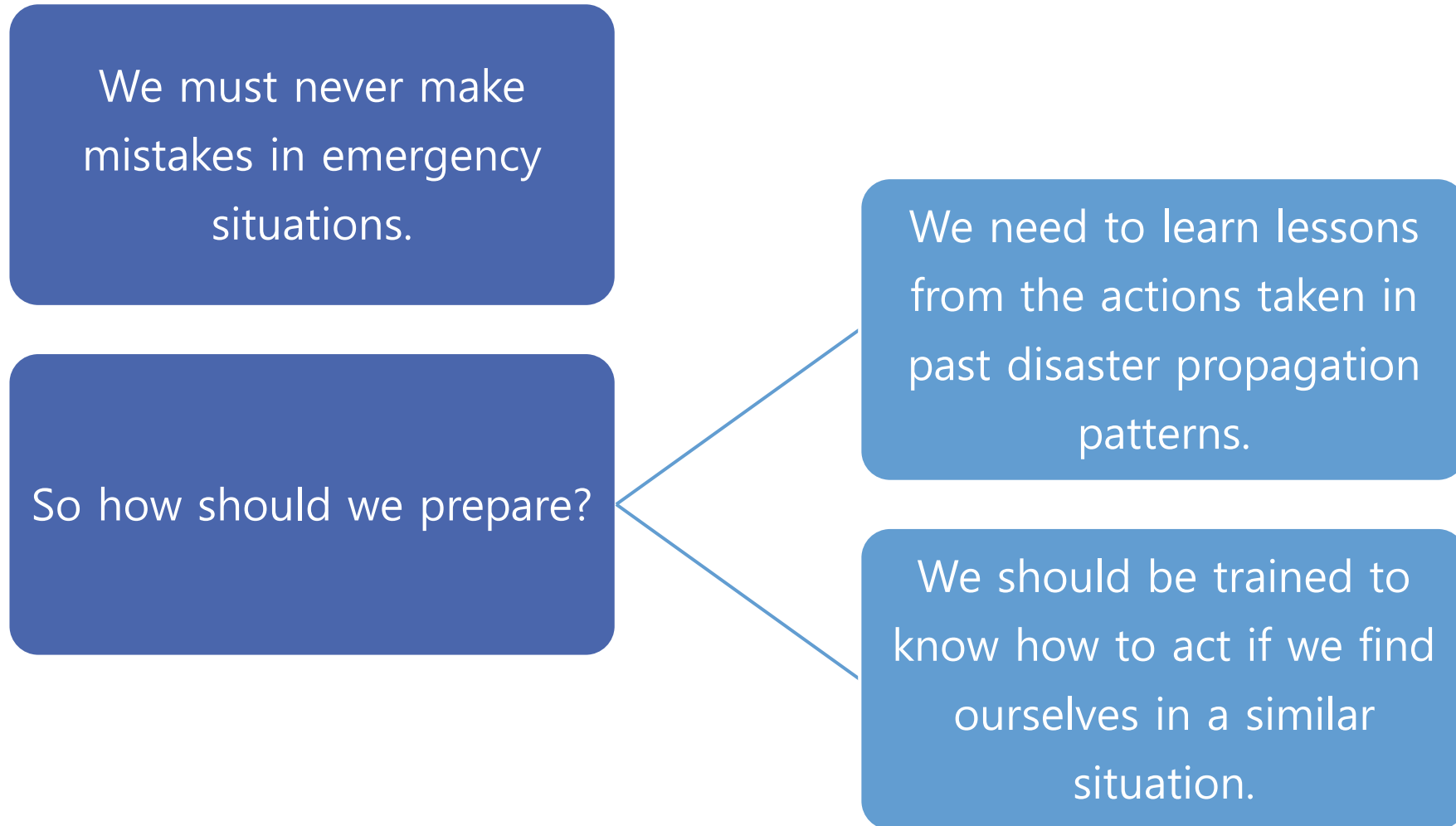
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Introduction - Background

- **Response phase is critical** among all phases of the disaster management – including prevention, preparedness, response and recovery.
- The Korean government's **inadequate response to the 2014 Sewol Ferry Tragedy** became a catalyst for the impeachment of President Park Geun-Hye



Introduction - Purpose



Introduction - Objectives

To develop a practical tool for reconstructing Disaster Propagation Patterns (DPPs)

To reconstruct DPPs for emergencies that provide adequate lead time for evacuation

To evaluate evacuation actions as illustrated by reconstructed DPPs

To identify critical lessons from DPPs for enhancing survival in future disasters

Introduction - Scope

- Developing a tool for reconstructing DPPs
- Reconstructing DPPs of four cases with adequate lead time using the tool, the Hazard-Action
 - 2011 Okawa Elementary School Tragedy in Japan
 - 2014 Sewol Ferry Tragedy in Korean
 - 2017 Grenfell Tower Fire in London
 - 2011 Kimaishi Miracle
- Evaluating actions taken by on-site commanders and followers in the four cases
- Reviewing efficiency of the Hazard-Action

How to reconstruct Disaster Propagation Patterns (DPPs)

- A Disaster Propagation Pattern (DPP) is considered a **disaster story** reconstructed along a timeline.
- It is built using the **Hazard-Action** Tool, which consists of two columns.
- Each column contains important scenes.
- Each scene is described using the Enhanced 5W1H (E5W1H) framework.
- E5W1H consists of the following seven components :
When, Where, Who, What, How, Why, Sequel, and Image.

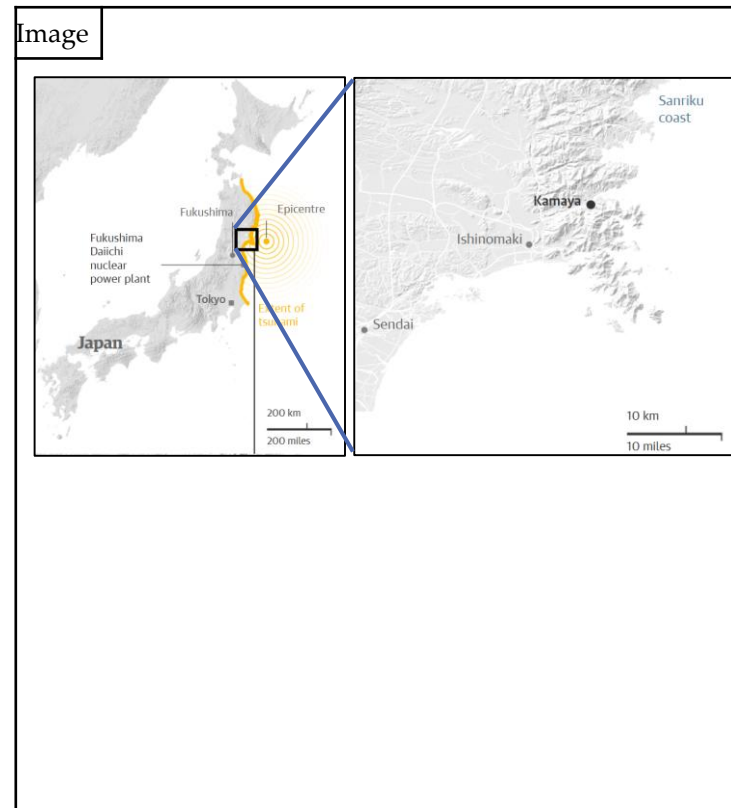
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How to reconstruct Disaster Propagation Patterns (DPPs) – E5W1H

| E5W1H | Hazard Column | Action Column |
|--------|---|---|
| Who | Hazards | <u>Actors</u> |
| When | The starting point of 'What' | The starting point of 'What' |
| Where | Location where 'What' occurs | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | <u>Actions taken by 'Who'</u> |
| How | Direct consequences following 'What' | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Reasons or causes for 'How'; if 'How' is not specified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Cascading consequences resulting from 'How' |
| Image | Visual materials to facilitate understanding | Visual materials to facilitate understanding |

DPP of the Okawa Elementary School Tragedy in Japan (Scene#1)

| Hazard Alias | | Description |
|--------------|---|---|
| Who | Hazards | An earthquake |
| When | The starting point of 'What' | At 2:45 PM on March 11, 2011 |
| Where | Location where 'What' occurs | At Nirashima-94 Kamaya, Ishinomaki, Miyagi |
| What | Emergencies caused by 'Who' | Hit Okawa Elementary School |
| How | Direct consequences following 'What' | Students and teachers in the classrooms went out and gathered in the playground , lined up by class. |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Because of the emergency action plan. |
| Sequel | Cascading consequences resulting from 'How' | |



| | |
|--|--|
| <p>Scene 1</p> <p>The starting point of the disaster is the earthquake that occurred on March 11, 2011, at 2:45 PM. The earthquake was a magnitude 9.0, which is the highest recorded magnitude in Japan. The earthquake caused a tsunami that reached a height of 10 meters. The tsunami hit the coast of Japan, causing a large number of casualties. The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 2</p> <p>The earthquake caused a tsunami that reached a height of 10 meters. The tsunami hit the coast of Japan, causing a large number of casualties. The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 3</p> <p>The tsunami hit the coast of Japan, causing a large number of casualties. The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 4</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 5</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 6</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 7</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 8</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 9</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 10</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 11</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 12</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 13</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 14</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 15</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 16</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 17</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 18</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 19</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 20</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 21</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 22</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 23</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 24</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 25</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 26</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 27</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 28</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 29</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 30</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 31</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 32</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 33</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 34</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 35</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 36</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 37</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 38</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 39</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 40</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 41</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 42</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 43</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 44</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 45</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 46</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 47</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 48</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |
| <p>Scene 49</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> | <p>Scene 50</p> <p>The tsunami also caused a nuclear disaster at the Fukushima Daiichi nuclear power plant.</p> |

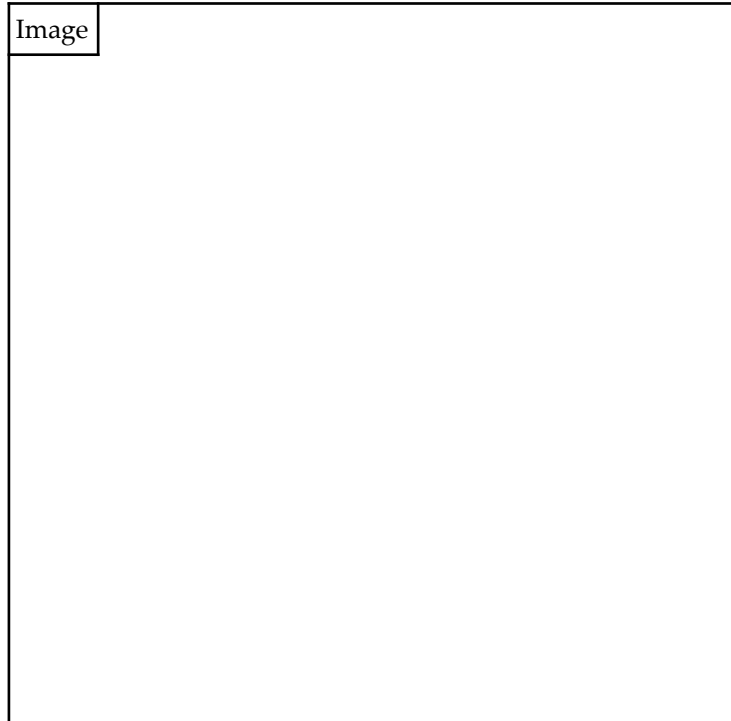
DPP of the Okawa Elementary School Tragedy in Japan (Scene#2)

| | | | |
|-------|--------|---|--|
| Image | Who | Actors | The Japan Meteorological Agency |
| | When | The starting point of 'What' | At 2:59 PM on March 11, 2011 |
| | Where | Location where 'What' occurs | In northeastern Japan |
| | What | Actions taken by 'Who' | Issued a warning: A six-meter-high tsunami was expected; everyone on the coast of northeastern Japan was advised to evacuate to higher ground |
| | How | Direct consequences following 'What' | |
| | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| | Sequel | Cascading consequences resulting from 'How' | |



DPP of the Okawa Elementary School Tragedy in Japan (Scene#3)

| Hazard/Alia | | Description |
|-------------|---|---|
| Who | Hazards | Aftershocks |
| When | The starting point of 'What' | At 3:03 PM, 3:06 PM, and 3:12 PM on March 11, 2011 |
| Where | Location where 'What' occurs | At Nirashima-94 Kamaya, Ishinomaki, Miyagi |
| What | Emergencies caused by 'Who' | Continued to shake Okawa Elementary School |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |



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|---|---|

DPP of the Okawa Elementary School Tragedy in Japan (Scene#4)

| | | | |
|-------|--------|---|--|
| Image | Who | Actors | The Japan Meteorological Agency |
| | When | The starting point of 'What' | At 3:14 PM on March 11, 2011 |
| | Where | Location where 'What' occurs | In northeastern Japan |
| | What | Actions taken by 'Who' | Updated its warning: The tsunami was expected to reach a height of 10 meters. |
| | How | Direct consequences following 'What' | |
| | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| | Sequel | Cascading consequences resulting from 'How' | |

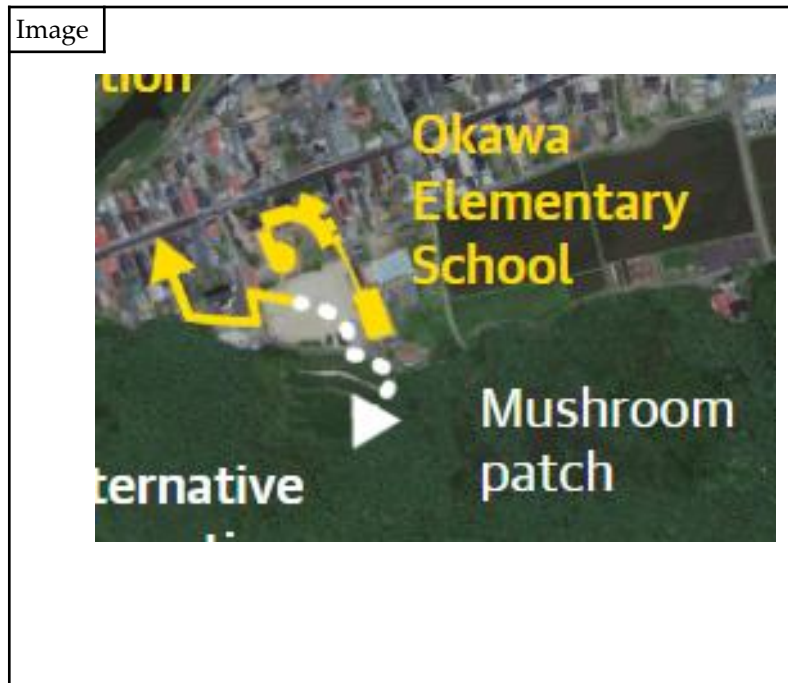


DPP of the Okawa Elementary School Tragedy in Japan (Scene#5)

| | | |
|--------|---|---|
| Image | | |
| | | |
| Who | Actors | The deputy headmaster , Toshiya Ishizaka, who was responsible for revising the Education Plan. |
| When | The starting point of 'What' | Around 3:14 PM on March 11, 2011 |
| Where | Location where 'What' occurs | In the playground |
| What | Actions taken by 'Who' | Was trying to direct emergency actions during the tsunami according to the Education Plan. |
| How | Direct consequences following 'What' | He found only these vague words in the Education Plan to puzzle over: "Primary evacuation place: school grounds. Secondary evacuation place, in case of tsunami: vacant land near school, or park, etc." |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Because he left the generic wording of the template (the Education Plan) unchanged. |
| Sequel | Cascading consequences resulting from 'How' | The school was located immediately in front of a forested hill, 220 meters high at its highest point. He didn't consider the hill to be vacant land or a park. |



DPP of the Okawa Elementary School Tragedy in Japan (Scene#6)



| Action | Alias | Description |
|--------|---|--|
| Who | Actors | A senior teacher , Junji Endo |
| When | The starting point of 'What' | |
| Where | Location where 'What' occurs | In the playground |
| What | Actions taken by 'Who' | Asked Ishizaka: "What should we do? Should we run to the hill?" |
| How | Direct consequences following 'What' | Endo was told that it was impossible due to the shaking. |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |

[illegible]

DPP of the Okawa Elementary School Tragedy in Japan (Scene#7)

| | | | |
|-------|--------|---|--|
| Image | Who | Actors | Parents and grandparents of the students |
| | When | The starting point of 'What' | |
| | Where | Location where 'What' occurs | In the playground |
| | What | Actions taken by 'Who' | Arrived by car or on foot to pick up their children. |
| | How | Direct consequences following 'What' | They stayed in the playground. |
| | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Because the teachers told them it was better to stay at school. |
| | Sequel | Cascading consequences resulting from 'How' | |

[illegible]

DPP of the Okawa Elementary School Tragedy in Japan (Scene#8)

| | | | |
|-------|--------|---|--|
| Image | Who | Actors | Local people from the village |
| | When | The starting point of 'What' | |
| | Where | Location where 'What' occurs | In the playground |
| | What | Actions taken by 'Who' | Arrived at Okawa Elementary School which was designated as an official evacuation site for the village of Kamaya. |
| | How | Direct consequences following 'What' | |
| | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| | Sequel | Cascading consequences resulting from 'How' | |
| | | | |

[illegible]

DPP of the Okawa Elementary School Tragedy in Japan (Scene#9)



| Action | Alias | Description |
|--------|---|---|
| Who | Actors | Toshinobu Oikawa, a worker at the local branch of the Ishinomaki town government . |
| When | The starting point of 'What' | At 3:25 PM |
| Where | Location where 'What' occurs | Around Okawa Elementary School |
| What | Actions taken by 'Who' | Was driving fast and shouting through the car's loudspeaker: " A super-tsunami has reached Matsubara. Evacuate! Evacuate to higher ground! " |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |

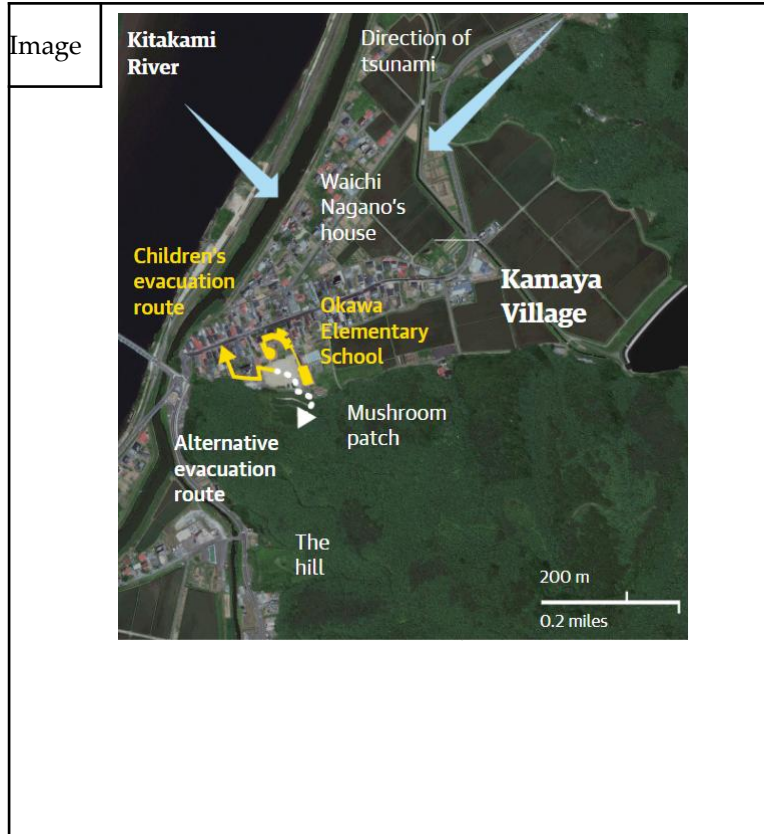
DPP of the Okawa Elementary School Tragedy in Japan (Scene#10)



| Action | Alias | Description |
|--------|---|--|
| Who | Actor | The teachers |
| When | The beginning of 'What' | At 3:25 PM , Oikawa and the three loudspeaker vans drove past. |
| Where | Currently or potentially affected areas | In the school playground |
| What | Actions that actors take | Were preparing to burn wood in oil drums to keep the children warm. |
| How | Direct consequences of 'What' | |
| Why | Causes or reasons for 'How'; if 'How' is not specified, then for 'What' | |
| Sequel | Cascading Consequences | |

[illegible]

DPP of the Okawa Elementary School Tragedy in Japan (Scene#11)



| Action Alias | | Description |
|--------------|---|--|
| Who | Actors | The deputy headmaster , Toshiya Ishizaka |
| When | The starting point of 'What' | Around 3:30 PM |
| Where | Location where 'What' occurs | In the school playground |
| What | Actions taken by 'Who' | Called out, "A tsunami seems to be coming!" "Quickly! We're going to the traffic island. Get in line, and don't run." |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |

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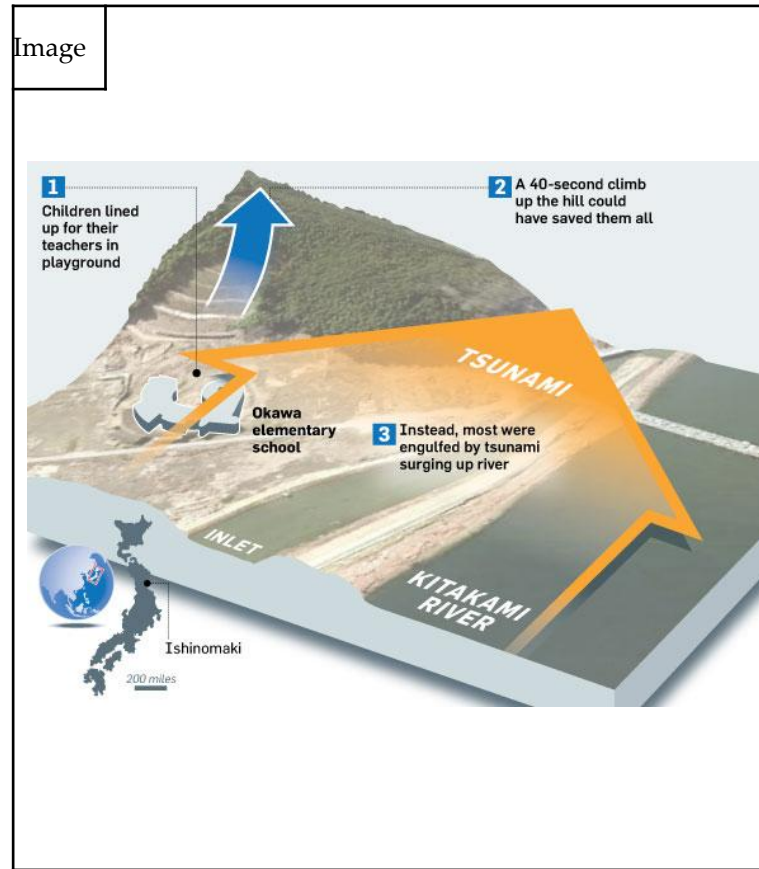
DPP of the Okawa Elementary School Tragedy in Japan (Scene#12)

| | | | |
|-------|--------|---|--|
| Image | Who | Actors | An elderly man named Kazuo Takahashi, who suddenly became aware of the tsunami. |
| | When | The starting point of 'What' | At 3:30 PM |
| | Where | Location where 'What' occurs | Near the school playground |
| | What | Actions taken by 'Who' | Parked his car next to the school. As he climbed out and headed for the hill, he saw a large number of children rushing out of the school in a hurry. |
| | How | Direct consequences following 'What' | |
| | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| | Sequel | Cascading consequences resulting from 'How' | |



DPP of the Okawa Elementary School Tragedy in Japan (Scene#13)

| Hazard Alias | | Description |
|--------------|---|---|
| Who | Hazards | The tsunami , a sheet of white spray rising above the dark waters. |
| When | The starting point of 'What' | Barely a minute had passed since they left the playground. |
| Where | Location where 'What' occurs | Near the school |
| What | Emergencies caused by 'Who' | Moved in the direction where the children had been ordered to evacuate and engulfed them . |
| How | Direct consequences following 'What' | Of the 78 students present at the moment of the tsunami, 74 , along with 10 out of the 11 teachers, lost their lives . |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |

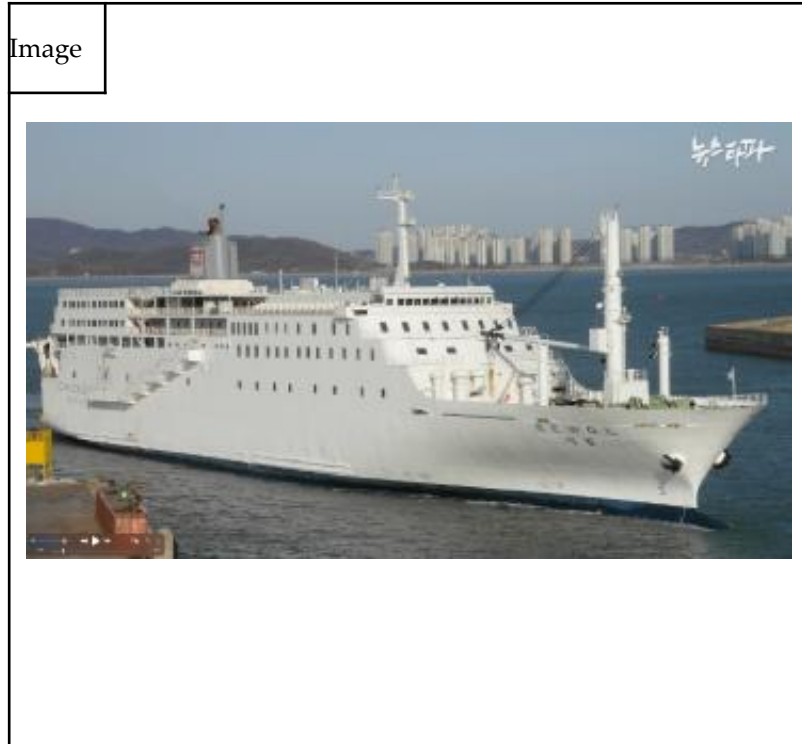
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DPP of the Okawa Elementary School Tragedy in Japan (Scene#14)

| | | | |
|-------|--------|---|---|
| Image | Who | Actors | The Sendai High Court |
| | When | The starting point of 'What' | On 26 April, 2018 |
| | Where | Location where 'What' occurs | |
| | What | Actions taken by 'Who' | Ordered the governmental authorities to pay around 1.4 billion yen (\$13 million) in damages to the families of the pupils, raising the amount of compensation by about 10 million yen from a lower court ruling. |
| | How | Direct consequences following 'What' | |
| | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | The authorities "failed to fulfill their obligation to revamp a risk management manual in line with the realities of Okawa Elementary School," Presiding Judge Hiroshi Ogawa said, adding, " If the manual had designated a 20-meter-high location for evacuation " the deaths could have been prevented. |
| | Sequel | Cascading consequences resulting from 'How' | |

[illegible]

DPP of the Sewol Ferry Tragedy in Korea (Scene#2)

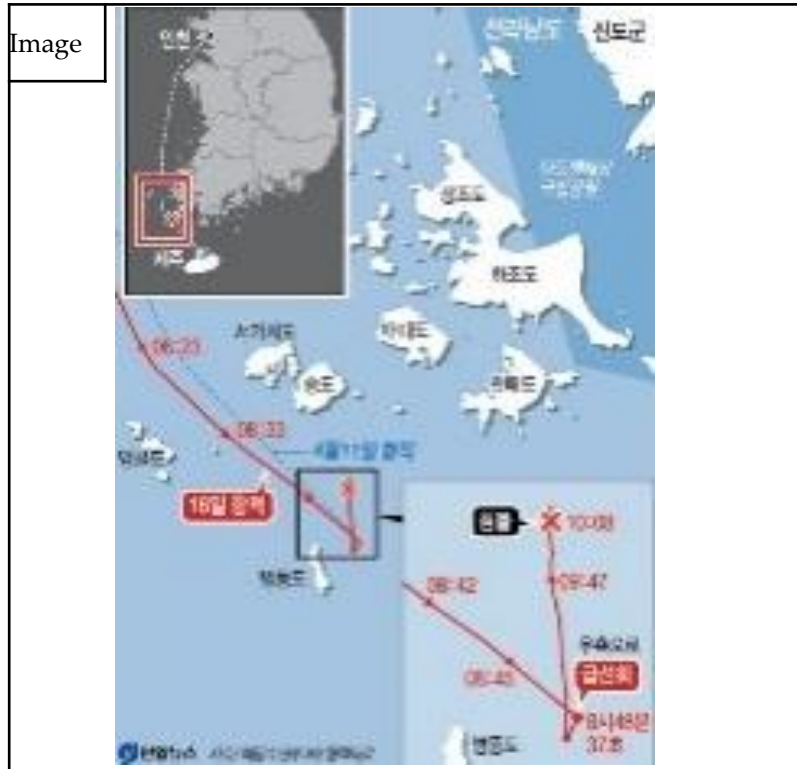


| E5W1H Alias | | Description |
|-------------|---|---|
| Who | Actors | Captain Lee Joon-Seok of the Sewol ferry |
| When | The starting point of 'What' | At 9:05 PM on April 15, 2014 |
| Where | Location where 'What' occurs | At the Coastal Passenger Terminal in Incheon Port |
| What | Actions taken by 'Who' | Departed with 29 crew members, 325 students, 14 teachers, 108 civilians, and 2,142.7 tons of cargo onboard |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |

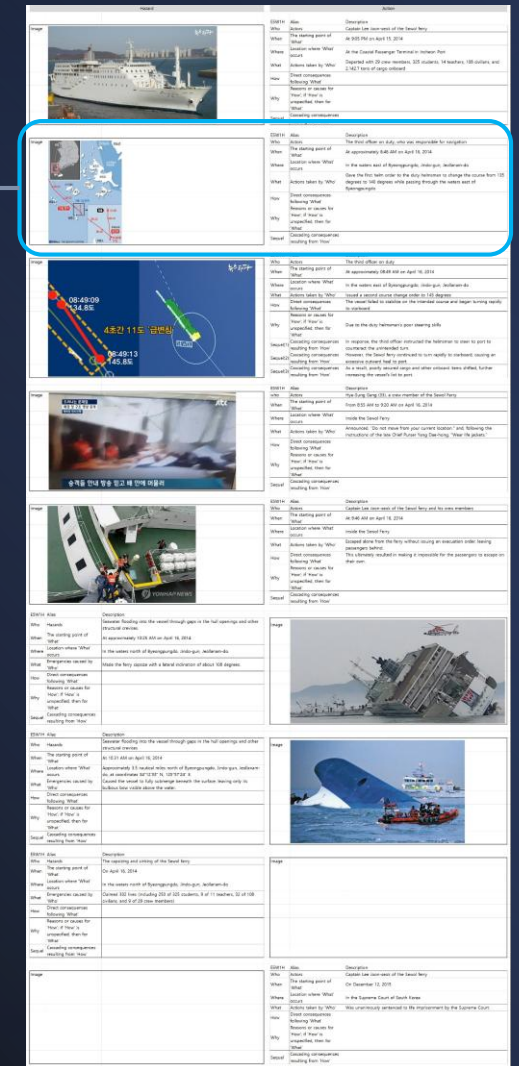
| | | | |
|--|--|--|--|
| | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> |
| | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> |
| | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> |
| | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> |
| | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> | <p>Who</p> <p>When</p> <p>Where</p> <p>What</p> <p>How</p> <p>Why</p> <p>Sequel</p> |

9 scenes

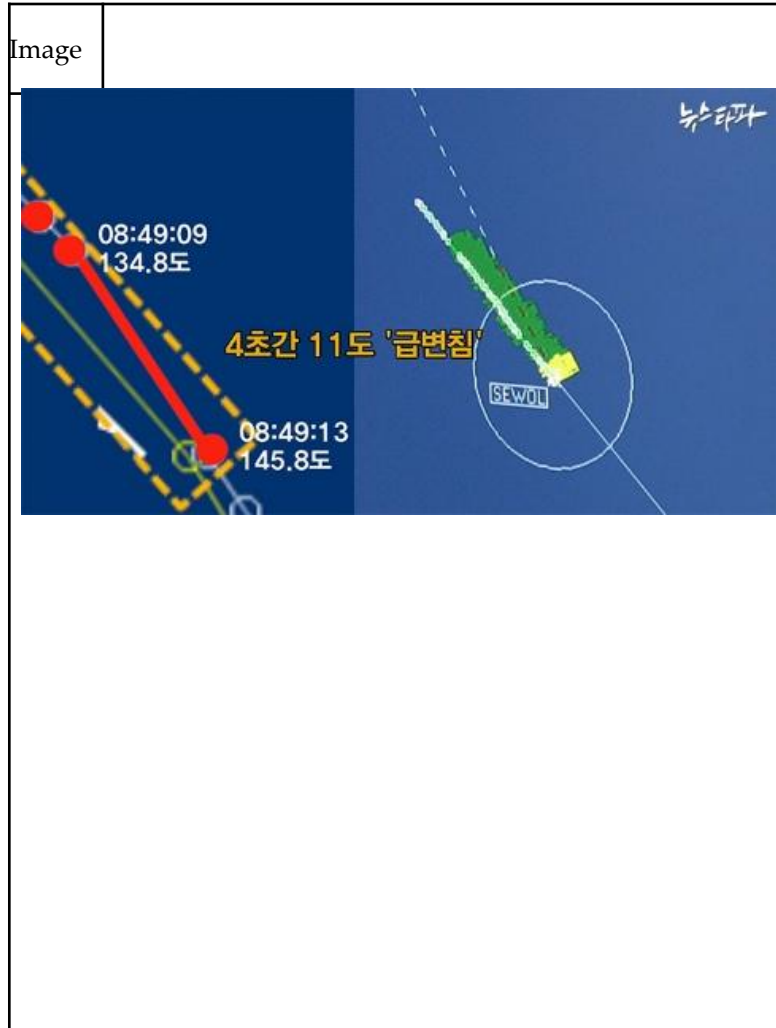
DPP of the Sewol Ferry Tragedy in Korea (Scene#2)



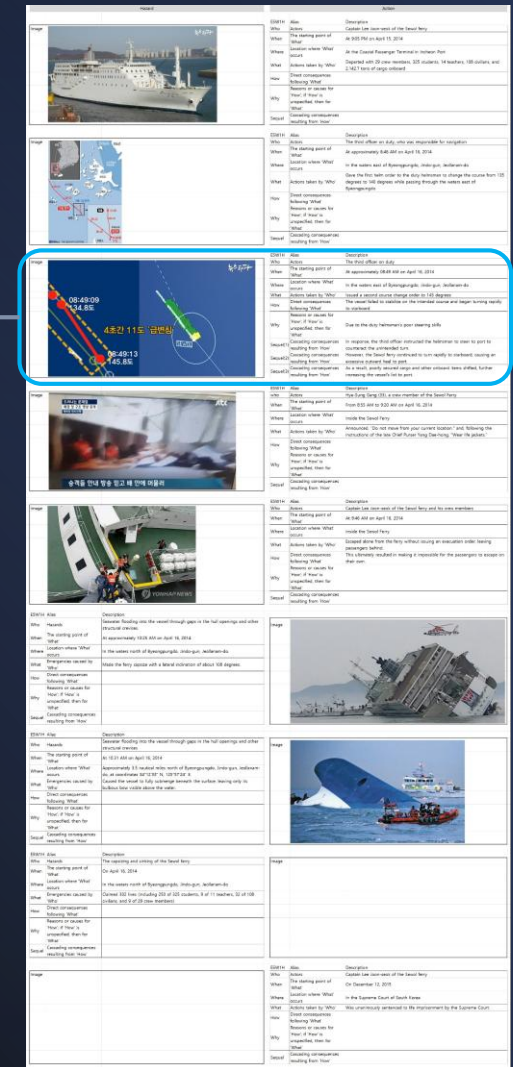
| E5W1H Alias | | Description |
|-------------|---|--|
| Who | Actors | The third officer on duty, who was responsible for navigation |
| When | The starting point of 'What' | At 8:46 AM on April 16, 2014 |
| Where | Location where 'What' occurs | In the waters east of Byeongpungdo, Jindo-gun, Jeollanam-do |
| What | Actions taken by 'Who' | Gave the first helm order to the duty helmsman to change the course from 135 degrees to 140 degrees while passing through the waters east of Byeongpungdo |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |



DPP of the Sewol Ferry Tragedy in Korea (Scene#2)



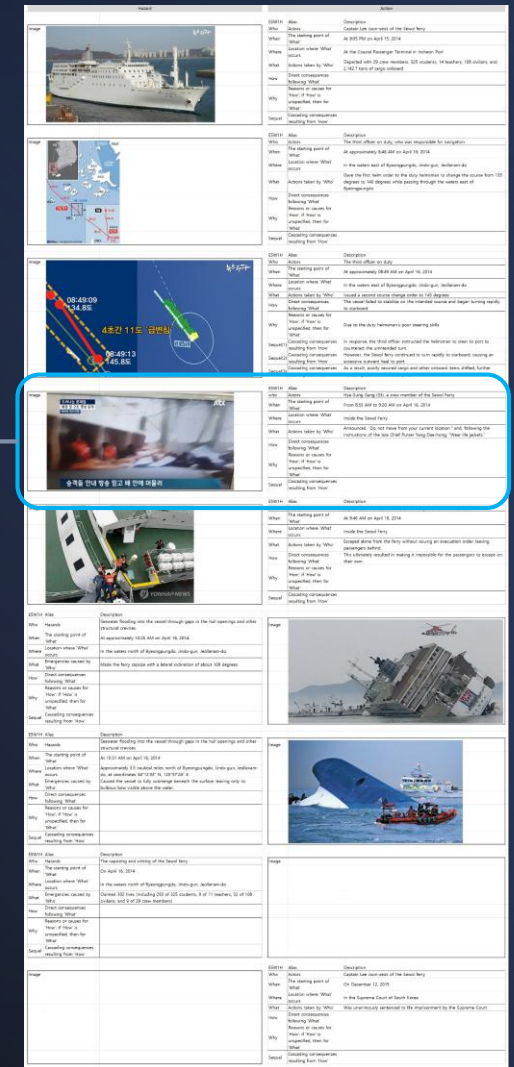
| E5W1H | Alias | Description |
|------------|---|--|
| Who | Actors | The third officer on duty |
| When | The starting point of 'What' | At 08:49 AM on April 16, 2014 |
| Where | Location where 'What' occurs | In the waters east of Byeongpungdo, Jindo-gun, Jeollanam-do |
| What | Actions taken by 'Who' | Issued a second course change order to 145 degrees |
| How | Direct consequences following 'What' | The vessel failed to stabilize on the intended course and began turning rapidly to starboard |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Due to the duty helmsman's poor steering skills |
| Sequel (1) | Cascading consequences resulting from 'How' | In response, the third officer instructed the helmsman to steer to port to counteract the unintended turn. |
| Sequel (2) | Cascading consequences resulting from 'How' | However, the Sewol ferry continued to turn rapidly to starboard, causing an excessive outward heel to port. |
| Sequel (3) | Cascading consequences resulting from 'How' | As a result, poorly secured cargo and other onboard items shifted, further increasing the vessel's list to port. |



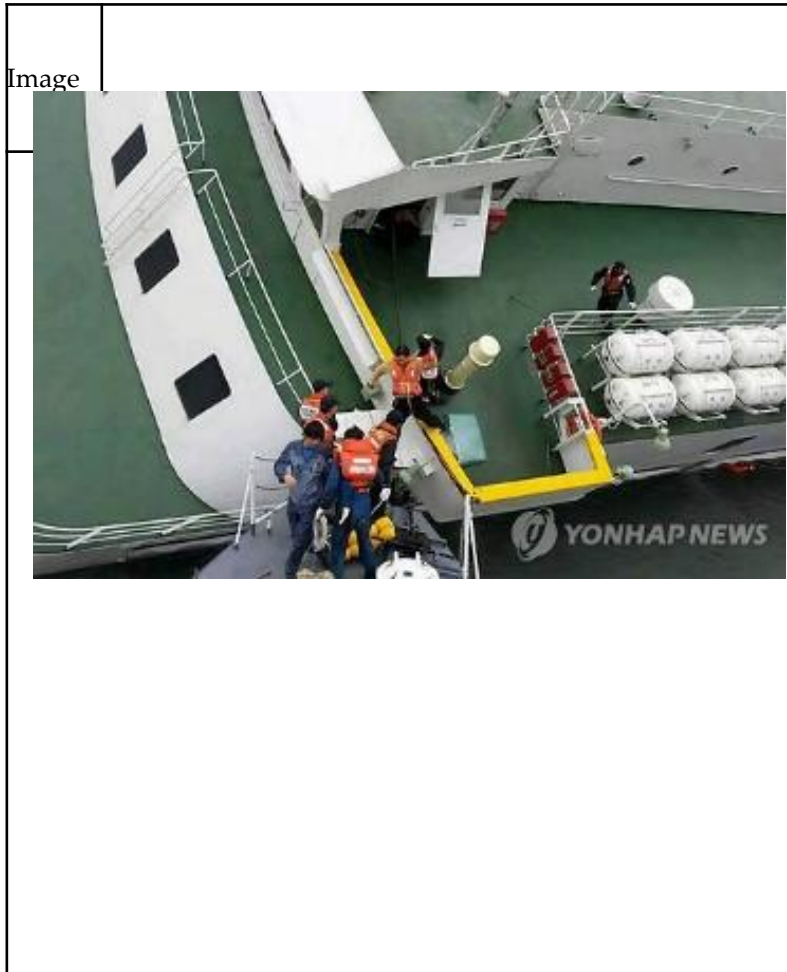
DPP of the Sewol Ferry Tragedy in Korea (Scene#2)



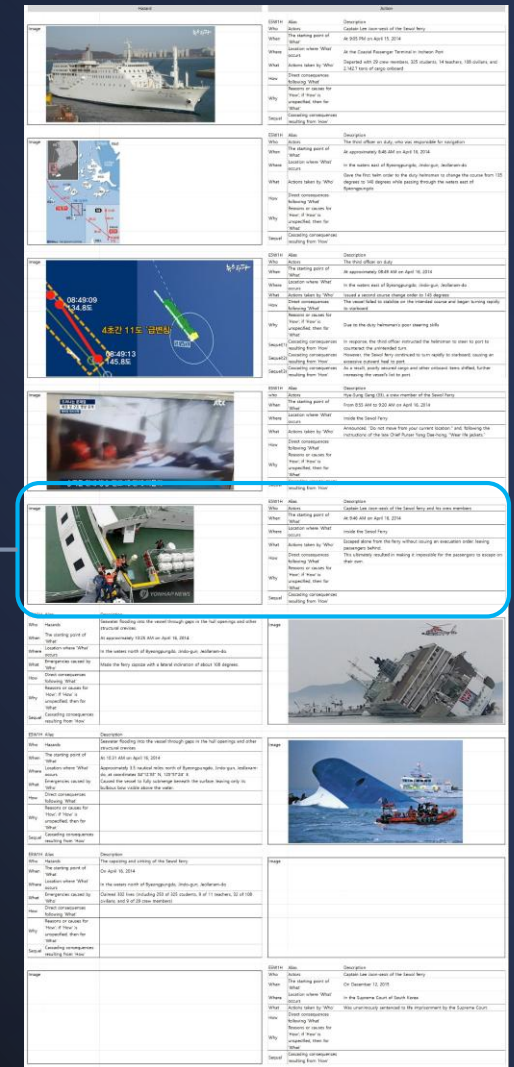
| E5W1H | Alias | Description |
|--------|---|---|
| who | Actors | Hye-Sung Gang (33), a crew member of the Sewol Ferry |
| When | The starting point of 'What' | From 8:55 AM to 9:20 AM on April 16, 2014 |
| Where | Location where 'What' occurs | Inside the Sewol Ferry |
| What | Actions taken by 'Who' | Announced, "Do not move from your current location," and, following the instructions of the late Chief Purser Yang Dae-Hong, "Wear life jackets." |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |



DPP of the Sewol Ferry Tragedy in Korea (Scene#2)

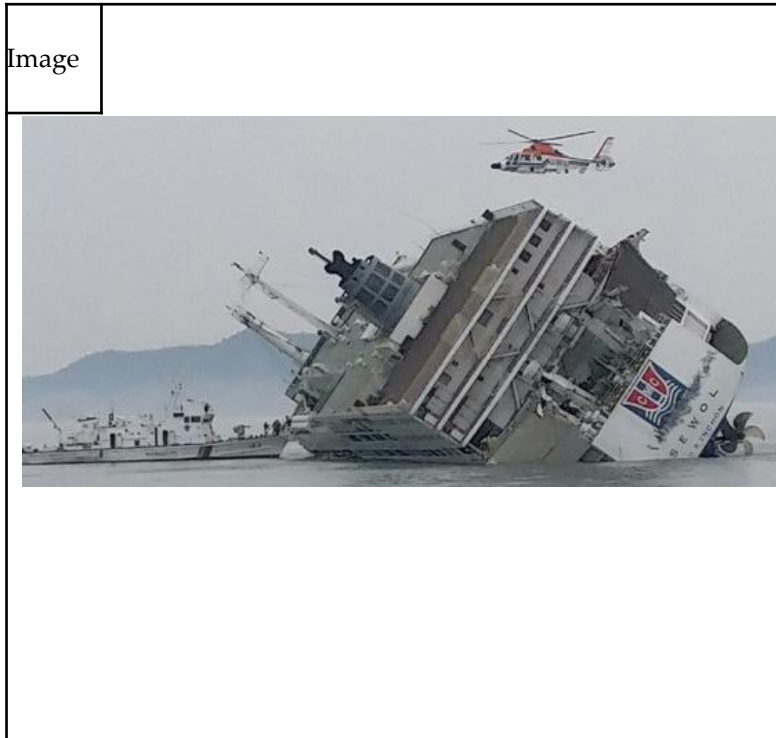


| E5W1H Alias | | Description |
|-------------|---|---|
| Who | Actors | Captain Lee Joon-Seok of the Sewol ferry and his crew members |
| When | The starting point of 'What' | At 9:46 AM on April 16, 2014 |
| Where | Location where 'What' occurs | Inside the Sewol Ferry |
| What | Actions taken by 'Who' | Escaped alone from the ferry without issuing an evacuation order, leaving passengers behind. |
| How | Direct consequences following 'What' | This ultimately resulted in making it impossible for the passengers to escape on their own. |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |



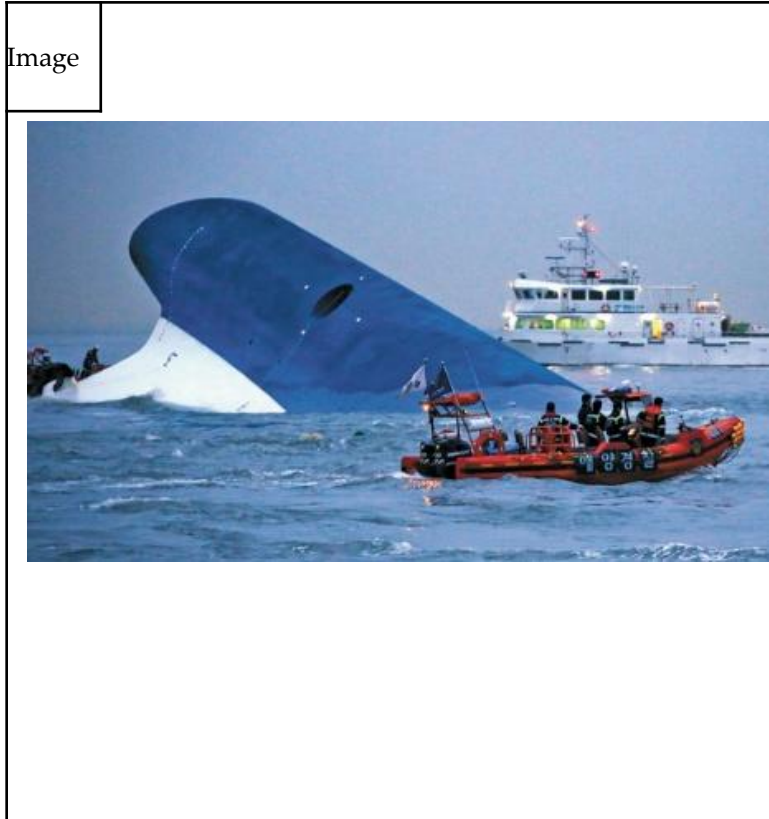
DPP of the Sewol Ferry Tragedy in Korea (Scene#2)

| E5W1H Alias | | Description |
|-------------|---|---|
| Who | Hazards | Seawater flooding into the vessel through gaps in the hull openings and other structural crevices. |
| When | The starting point of 'What' | At 10:25 AM on April 16, 2014. |
| Where | Location where 'What' occurs | In the waters north of Byeongpungdo, Jindo-gun, Jeollanam-do. |
| What | Emergencies caused by 'Who' | Made the ferry capsized with a lateral inclination of about 108 degrees. |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |

[illegible]

DPP of the Sewol Ferry Tragedy in Korea (Scene#2)

| E5W1H Alias | | Description |
|-------------|---|--|
| Who | Hazards | Seawater flooding into the vessel through gaps in the hull openings and other structural crevices |
| When | The starting point of 'What' | At 10:31 AM on April 16, 2014 |
| Where | Location where 'What' occurs | Approximately 3.5 nautical miles north of Byeongpungdo, Jindo-gun, Jeollanam-do, at coordinates 34°12'33" N, 125°57'24" E. |
| What | Emergencies caused by 'Who' | Caused the vessel to fully submerge beneath the surface, leaving only its bulbous bow visible above the water. |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|------|-------------|------|------|--|------|------|--------------------------------|------|------|--|------|------|-----------------------------------|------|------|--|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|------|------|--------------------------------|
|  | <table><tr><td>0000</td><td>Ship</td><td>Destination</td></tr><tr><td>0001</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0002</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0003</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0004</td><td>Ship</td><td>Departed from the port of Incheon</td></tr><tr><td>0005</td><td>Ship</td><td>Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard</td></tr><tr><td>0006</td><td>Ship</td><td>Carrying passengers</td></tr><tr><td>0007</td><td>Ship</td><td>Carrying cargo</td></tr><tr><td>0008</td><td>Ship</td><td>Carrying crew</td></tr></table> | 0000 | Ship | Destination | 0001 | Ship | Carried out one-way of the Sewol Ferry | 0002 | Ship | On 30th April 2014 at 08:00 PM | 0003 | Ship | Carried out one-way of the Sewol Ferry | 0004 | Ship | Departed from the port of Incheon | 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | 0006 | Ship | Carrying passengers | 0007 | Ship | Carrying cargo | 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0000 | Ship | Destination | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0001 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0002 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0003 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0004 | Ship | Departed from the port of Incheon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0006 | Ship | Carrying passengers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0007 | Ship | Carrying cargo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <table><tr><td>0009</td><td>Ship</td><td>Description</td></tr><tr><td>0010</td><td>Ship</td><td>The first time on its way, one-way, for Jeonju</td></tr><tr><td>0011</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0012</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0013</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0014</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0015</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0016</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0017</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0018</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0019</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0020</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0021</td><td>Ship</td><td>On 30th April 2014 at 08:00 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PM</td></tr><tr><td>0100</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr></table> | 0009 | Ship | Description | 0010 | Ship | The first time on its way, one-way, for Jeonju | 0011 | Ship | On 30th April 2014 at 08:00 PM | 0012 | Ship | On 30th April 2014 at 08:00 PM | 0013 | Ship | On 30th April 2014 at 08:00 PM | 0014 | Ship | On 30th April 2014 at 08:00 PM | 0015 | Ship | On 30th April 2014 at 08:00 PM | 0016 | Ship | On 30th April 2014 at 08:00 PM | 0017 | Ship | On 30th April 2014 at 08:00 PM | 0018 | Ship | On 30th April 2014 at 08:00 PM | 0019 | Ship | On 30th April 2014 at 08:00 PM | 0020 | Ship | On 30th April 2014 at 08:00 PM | 0021 | Ship | On 30th April 2014 at 08:00 PM | 0022 | Ship | On 30th April 2014 at 08:00 PM | 0023 | Ship | On 30th April 2014 at 08:00 PM | 0024 | Ship | On 30th April 2014 at 08:00 PM | 0025 | Ship | On 30th April 2014 at 08:00 PM | 0026 | Ship | On 30th April 2014 at 08:00 PM | 0027 | Ship | On 30th April 2014 at 08:00 PM | 0028 | Ship | On 30th April 2014 at 08:00 PM | 0029 | Ship | On 30th April 2014 at 08:00 PM | 0030 | Ship | On 30th April 2014 at 08:00 PM | 0031 | Ship | On 30th April 2014 at 08:00 PM | 0032 | Ship | On 30th April 2014 at 08:00 PM | 0033 | Ship | On 30th April 2014 at 08:00 PM | 0034 | Ship | On 30th April 2014 at 08:00 PM | 0035 | Ship | On 30th April 2014 at 08:00 PM | 0036 | Ship | On 30th April 2014 at 08:00 PM | 0037 | Ship | On 30th April 2014 at 08:00 PM | 0038 | Ship | On 30th April 2014 at 08:00 PM | 0039 | Ship | On 30th April 2014 at 08:00 PM | 0040 | Ship | On 30th April 2014 at 08:00 PM | 0041 | Ship | On 30th April 2014 at 08:00 PM | 0042 | Ship | On 30th April 2014 at 08:00 PM | 0043 | Ship | On 30th April 2014 at 08:00 PM | 0044 | Ship | On 30th April 2014 at 08:00 PM | 0045 | Ship | On 30th April 2014 at 08:00 PM | 0046 | Ship | On 30th April 2014 at 08:00 PM | 0047 | Ship | On 30th April 2014 at 08:00 PM | 0048 | Ship | On 30th April 2014 at 08:00 PM | 0049 | Ship | On 30th April 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PM | 0071 | Ship | On 30th April 2014 at 08:00 PM | 0072 | Ship | On 30th April 2014 at 08:00 PM | 0073 | Ship | On 30th April 2014 at 08:00 PM | 0074 | Ship | On 30th April 2014 at 08:00 PM | 0075 | Ship | On 30th April 2014 at 08:00 PM | 0076 | Ship | On 30th April 2014 at 08:00 PM | 0077 | Ship | On 30th April 2014 at 08:00 PM | 0078 | Ship | On 30th April 2014 at 08:00 PM | 0079 | Ship | On 30th April 2014 at 08:00 PM | 0080 | Ship | On 30th April 2014 at 08:00 PM | 0081 | Ship | On 30th April 2014 at 08:00 PM | 0082 | Ship | On 30th April 2014 at 08:00 PM | 0083 | Ship | On 30th April 2014 at 08:00 PM | 0084 | Ship | On 30th April 2014 at 08:00 PM | 0085 | Ship | On 30th April 2014 at 08:00 PM | 0086 | Ship | On 30th April 2014 at 08:00 PM | 0087 | Ship | On 30th April 2014 at 08:00 PM | 0088 | Ship | On 30th April 2014 at 08:00 PM | 0089 | Ship | On 30th April 2014 at 08:00 PM | 0090 | Ship | On 30th April 2014 at 08:00 PM | 0091 | Ship | On 30th April 2014 at 08:00 PM | 0092 | 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| 0009 | Ship | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0010 | Ship | The first time on its way, one-way, for Jeonju | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0011 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0012 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0013 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0015 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0016 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0018 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0019 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0026 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0028 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0031 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0032 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0035 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0036 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0037 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0038 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0039 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0040 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0041 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0042 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0043 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0095 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0096 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0097 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0098 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0099 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | <table><tr><td>0000</td><td>Ship</td><td>Description</td></tr><tr><td>0001</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0002</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0003</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0004</td><td>Ship</td><td>Departed from the port of Incheon</td></tr><tr><td>0005</td><td>Ship</td><td>Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard</td></tr><tr><td>0006</td><td>Ship</td><td>Carrying passengers</td></tr><tr><td>0007</td><td>Ship</td><td>Carrying cargo</td></tr><tr><td>0008</td><td>Ship</td><td>Carrying crew</td></tr></table> | 0000 | Ship | Description | 0001 | Ship | Carried out one-way of the Sewol Ferry | 0002 | Ship | On 30th April 2014 at 08:00 PM | 0003 | Ship | Carried out one-way of the Sewol Ferry | 0004 | Ship | Departed from the port of Incheon | 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | 0006 | Ship | Carrying passengers | 0007 | Ship | Carrying cargo | 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0000 | Ship | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0001 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0002 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0003 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0004 | Ship | Departed from the port of Incheon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0006 | Ship | Carrying passengers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0007 | Ship | Carrying cargo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <table><tr><td>0000</td><td>Ship</td><td>Description</td></tr><tr><td>0001</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0002</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0003</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0004</td><td>Ship</td><td>Departed from the port of Incheon</td></tr><tr><td>0005</td><td>Ship</td><td>Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard</td></tr><tr><td>0006</td><td>Ship</td><td>Carrying passengers</td></tr><tr><td>0007</td><td>Ship</td><td>Carrying cargo</td></tr><tr><td>0008</td><td>Ship</td><td>Carrying crew</td></tr></table> | 0000 | Ship | Description | 0001 | Ship | Carried out one-way of the Sewol Ferry | 0002 | Ship | On 30th April 2014 at 08:00 PM | 0003 | Ship | Carried out one-way of the Sewol Ferry | 0004 | Ship | Departed from the port of Incheon | 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | 0006 | Ship | Carrying passengers | 0007 | Ship | Carrying cargo | 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0000 | Ship | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0001 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0002 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0003 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0004 | Ship | Departed from the port of Incheon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0006 | Ship | Carrying passengers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0007 | Ship | Carrying cargo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <table><tr><td>0000</td><td>Ship</td><td>Description</td></tr><tr><td>0001</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0002</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0003</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0004</td><td>Ship</td><td>Departed from the port of Incheon</td></tr><tr><td>0005</td><td>Ship</td><td>Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard</td></tr><tr><td>0006</td><td>Ship</td><td>Carrying passengers</td></tr><tr><td>0007</td><td>Ship</td><td>Carrying cargo</td></tr><tr><td>0008</td><td>Ship</td><td>Carrying crew</td></tr></table> | 0000 | Ship | Description | 0001 | Ship | Carried out one-way of the Sewol Ferry | 0002 | Ship | On 30th April 2014 at 08:00 PM | 0003 | Ship | Carried out one-way of the Sewol Ferry | 0004 | Ship | Departed from the port of Incheon | 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | 0006 | Ship | Carrying passengers | 0007 | Ship | Carrying cargo | 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0000 | Ship | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0001 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0002 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0003 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0004 | Ship | Departed from the port of Incheon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0006 | Ship | Carrying passengers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0007 | Ship | Carrying cargo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <table><tr><td>0000</td><td>Ship</td><td>Description</td></tr><tr><td>0001</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0002</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0003</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0004</td><td>Ship</td><td>Departed from the port of Incheon</td></tr><tr><td>0005</td><td>Ship</td><td>Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard</td></tr><tr><td>0006</td><td>Ship</td><td>Carrying passengers</td></tr><tr><td>0007</td><td>Ship</td><td>Carrying cargo</td></tr><tr><td>0008</td><td>Ship</td><td>Carrying crew</td></tr></table> | 0000 | Ship | Description | 0001 | Ship | Carried out one-way of the Sewol Ferry | 0002 | Ship | On 30th April 2014 at 08:00 PM | 0003 | Ship | Carried out one-way of the Sewol Ferry | 0004 | Ship | Departed from the port of Incheon | 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | 0006 | Ship | Carrying passengers | 0007 | Ship | Carrying cargo | 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0000 | Ship | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0001 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0002 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0003 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0004 | Ship | Departed from the port of Incheon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0006 | Ship | Carrying passengers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0007 | Ship | Carrying cargo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <table><tr><td>0000</td><td>Ship</td><td>Description</td></tr><tr><td>0001</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0002</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0003</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0004</td><td>Ship</td><td>Departed from the port of Incheon</td></tr><tr><td>0005</td><td>Ship</td><td>Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard</td></tr><tr><td>0006</td><td>Ship</td><td>Carrying passengers</td></tr><tr><td>0007</td><td>Ship</td><td>Carrying cargo</td></tr><tr><td>0008</td><td>Ship</td><td>Carrying crew</td></tr></table> | 0000 | Ship | Description | 0001 | Ship | Carried out one-way of the Sewol Ferry | 0002 | Ship | On 30th April 2014 at 08:00 PM | 0003 | Ship | Carried out one-way of the Sewol Ferry | 0004 | Ship | Departed from the port of Incheon | 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | 0006 | Ship | Carrying passengers | 0007 | Ship | Carrying cargo | 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0000 | Ship | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0001 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0002 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0003 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0004 | Ship | Departed from the port of Incheon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0006 | Ship | Carrying passengers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0007 | Ship | Carrying cargo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <table><tr><td>0000</td><td>Ship</td><td>Description</td></tr><tr><td>0001</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0002</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0003</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0004</td><td>Ship</td><td>Departed from the port of Incheon</td></tr><tr><td>0005</td><td>Ship</td><td>Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard</td></tr><tr><td>0006</td><td>Ship</td><td>Carrying passengers</td></tr><tr><td>0007</td><td>Ship</td><td>Carrying cargo</td></tr><tr><td>0008</td><td>Ship</td><td>Carrying crew</td></tr></table> | 0000 | Ship | Description | 0001 | Ship | Carried out one-way of the Sewol Ferry | 0002 | Ship | On 30th April 2014 at 08:00 PM | 0003 | Ship | Carried out one-way of the Sewol Ferry | 0004 | Ship | Departed from the port of Incheon | 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | 0006 | Ship | Carrying passengers | 0007 | Ship | Carrying cargo | 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0000 | Ship | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0001 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0002 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0003 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0004 | Ship | Departed from the port of Incheon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0006 | Ship | Carrying passengers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0007 | Ship | Carrying cargo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <table><tr><td>0000</td><td>Ship</td><td>Description</td></tr><tr><td>0001</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0002</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0003</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0004</td><td>Ship</td><td>Departed from the port of Incheon</td></tr><tr><td>0005</td><td>Ship</td><td>Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard</td></tr><tr><td>0006</td><td>Ship</td><td>Carrying passengers</td></tr><tr><td>0007</td><td>Ship</td><td>Carrying cargo</td></tr><tr><td>0008</td><td>Ship</td><td>Carrying crew</td></tr></table> | 0000 | Ship | Description | 0001 | Ship | Carried out one-way of the Sewol Ferry | 0002 | Ship | On 30th April 2014 at 08:00 PM | 0003 | Ship | Carried out one-way of the Sewol Ferry | 0004 | Ship | Departed from the port of Incheon | 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | 0006 | Ship | Carrying passengers | 0007 | Ship | Carrying cargo | 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0000 | Ship | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0001 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0002 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0003 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0004 | Ship | Departed from the port of Incheon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0006 | Ship | Carrying passengers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0007 | Ship | Carrying cargo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <table><tr><td>0000</td><td>Ship</td><td>Description</td></tr><tr><td>0001</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0002</td><td>Ship</td><td>On 30th April 2014 at 08:00 PM</td></tr><tr><td>0003</td><td>Ship</td><td>Carried out one-way of the Sewol Ferry</td></tr><tr><td>0004</td><td>Ship</td><td>Departed from the port of Incheon</td></tr><tr><td>0005</td><td>Ship</td><td>Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard</td></tr><tr><td>0006</td><td>Ship</td><td>Carrying passengers</td></tr><tr><td>0007</td><td>Ship</td><td>Carrying cargo</td></tr><tr><td>0008</td><td>Ship</td><td>Carrying crew</td></tr></table> | 0000 | Ship | Description | 0001 | Ship | Carried out one-way of the Sewol Ferry | 0002 | Ship | On 30th April 2014 at 08:00 PM | 0003 | Ship | Carried out one-way of the Sewol Ferry | 0004 | Ship | Departed from the port of Incheon | 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | 0006 | Ship | Carrying passengers | 0007 | Ship | Carrying cargo | 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0000 | Ship | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0001 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0002 | Ship | On 30th April 2014 at 08:00 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0003 | Ship | Carried out one-way of the Sewol Ferry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0004 | Ship | Departed from the port of Incheon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0005 | Ship | Departed with 25 crew members, 255 students, 16 teachers and 1,547 tons of cargo onboard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0006 | Ship | Carrying passengers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0007 | Ship | Carrying cargo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0008 | Ship | Carrying crew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

DPP of the Sewol Ferry Tragedy in Korea (Scene#2)

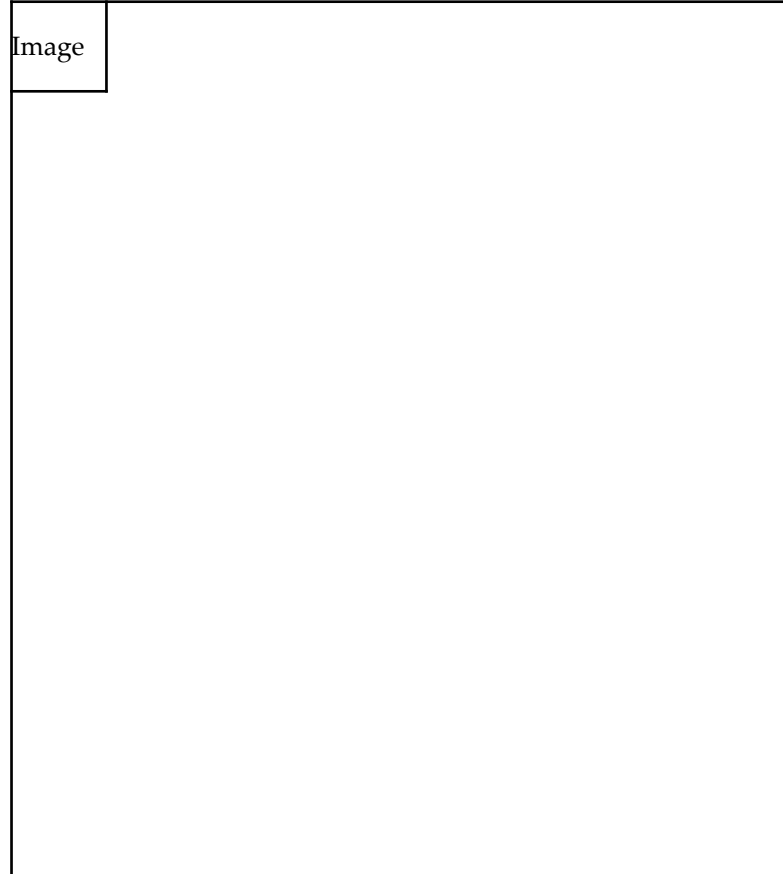
| E5W1H Alias | Description |
|-------------|---|
| Who | Hazards |
| When | The starting point of 'What' |
| Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' |
| How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' |

The capsizing and sinking of the Sewol ferry

On April 16, 2014

In the waters north of Byeongpungdo, Jindo-gun, Jeollanam-do

Claimed 302 lives (including 250 of 325 students, 9 of 11 teachers, 32 of 108 civilians, and 9 of 29 crew members)



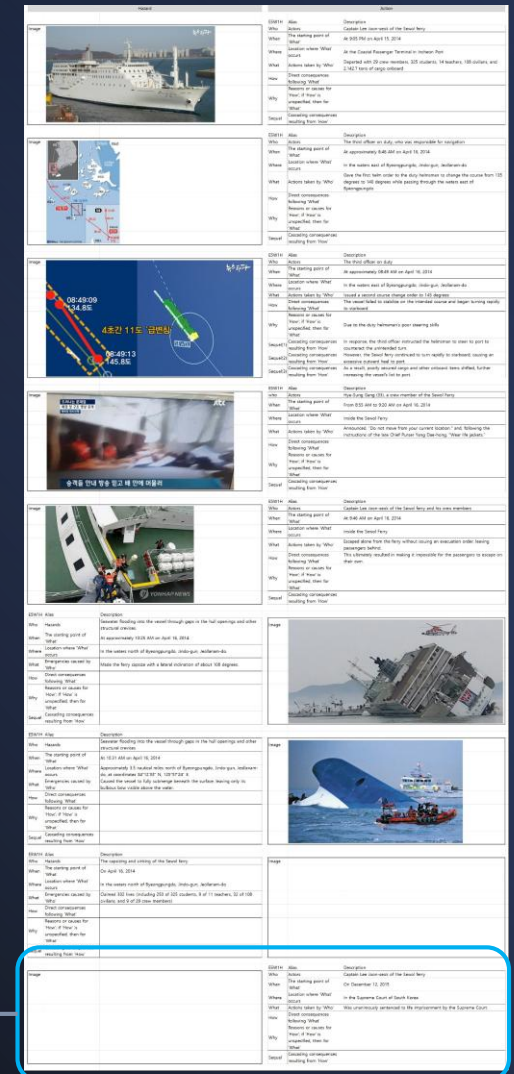
The collage contains the following elements:

- Top Left:** A photograph of the Sewol Ferry.
- Top Right:** A timeline of events starting from 08:49:09.
- Middle Left:** A map showing the location of the ferry in the waters north of Byeongpungdo, Jindo-gun, Jeollanam-do.
- Middle Right:** A large image of the ferry capsizing.
- Bottom Left:** A section of the timeline highlighted with a blue box, showing the sequence of events from 08:49:09 to 09:00:00.
- Bottom Right:** A small image of the ferry's hull.

DPP of the Sewol Ferry Tragedy in Korea (Scene#2)



| E5W1H Alias | | Description |
|-------------|---|---|
| Who | Actors | Captain Lee Joon-Seok of the Sewol ferry |
| When | The starting point of 'What' | On December 12, 2015 |
| Where | Location where 'What' occurs | In the Supreme Court of South Korea |
| What | Actions taken by 'Who' | Was unanimously sentenced to life imprisonment by the Supreme Court. |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Captain Lee's Failure to Issue Evacuation Order Amounts to Murder |
| Sequel | Cascading consequences resulting from 'How' | |



DPP of the 2017 Grenfell Tower Fire (Scene#1)

| Hazard | | Action | |
|--------|---|--------|---|
| Who | Hazards | Who | Actions |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Actions taken by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | |
|-------|--|
| Image | |
|-------|--|

| | |
|-------|--|
| Image | |
|-------|--|

| | | | |
|--------|---|--------|---|
| Who | Hazards | Who | Actions |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Actions taken by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | |
|-------|--|
| Image | |
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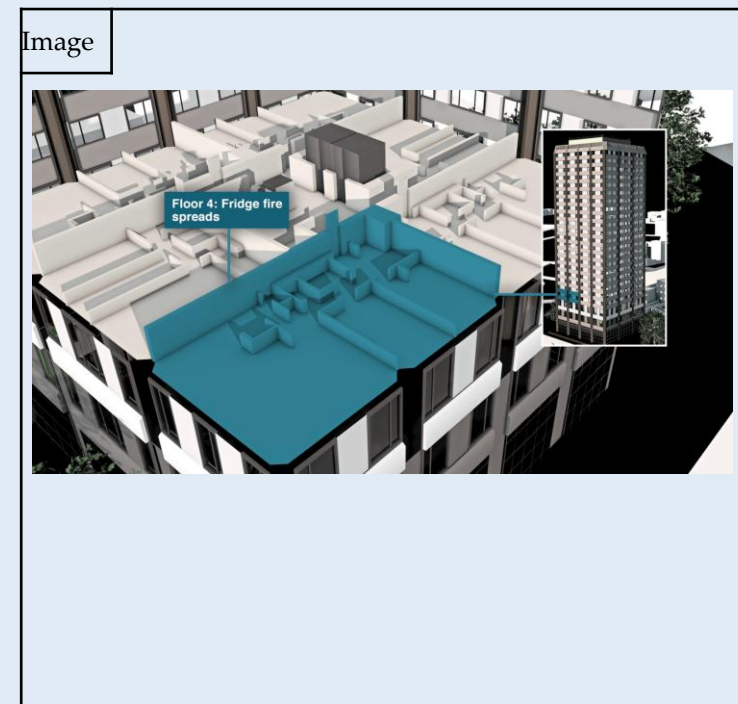
| | | | |
|--------|---|--------|---|
| Who | Hazards | Who | Actions |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Actions taken by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | |
|-------|--|
| Image | |
|-------|--|

| | | | |
|--------|---|--------|---|
| Who | Hazards | Who | Actions |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Actions taken by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | |
|-------|--|
| Image | |
|-------|--|

| HazardAlias | | Description |
|-------------|---|--|
| Who | Hazards | A fire |
| When | The starting point of 'What' | On June 14, 2017 |
| Where | Location where 'What' occurs | At the West London tower block |
| What | Emergencies caused by 'Who' | Broke out in the kitchen of a fourth floor flat at the 23 storey Grenfell tower |
| How | Direct consequences following 'What' | The fire was reported to 999. |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |



DPP of the 2017 Grenfell Tower Fire (Scene#2)

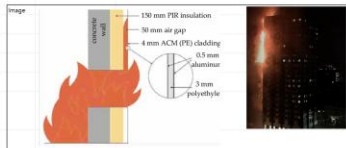
| Hazard | Alias | Description |
|--------|---|---|
| Who | Hazards | A fire |
| When | The starting point of 'What' | On June 14, 2017 |
| Where | Location where 'What' occurs | At the West London tower block |
| What | Emergencies caused by 'What' | Smoke out in the kitchen of a fourth floor flat at the 23-storey Grenfell tower |
| How | Direct consequences following 'What' | The fire was reported to 999 |
| Why | Reasons or causes for 'How', if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |



| Image | Alias | Description |
|-------|------------------------------|--|
| | Fire Action - Grenfell Tower | 999 call handlers working for the LFB (London Fire Brigade) |
| | Who | Actors |
| | When | The starting point of 'What' |
| | Where | At 00:54 AM On June 14, 2017 |
| | What | In the Grenfell Tower |
| | How | Told residents not directly affected by fire, heat or smoke to remain in their flats until help arrived |
| | Why | The effectiveness of 'stay put' - which remains the policy in the event of fire in most high-rise buildings - relies on a building being properly constructed. Regulations should prevent fire spreading from one flat to another for at least 60 minutes. |
| | Sequel | Cascading consequences resulting from 'How' |

| Image | Alias | Description |
|-------|--|--|
| | Fire crews sent to Grenfell Tower fire | 00:54 - Fire reported 00:55 - North Kensington 00:59 - Hammersmith and Kensington 01:15 - Paddington 01:19 - Paddington Aerial ladder |

| Hazard | Alias | Description |
|--------|---|---|
| Who | Hazards | The fire |
| When | The starting point of 'What' | At 1:19 AM on June 14, 2017 |
| Where | Location where 'What' occurs | At the West London tower block |
| What | Emergencies caused by 'What' | In less than 20 minutes, climbed 23 stories to the top of the tower, fueled by the flammable materials |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How', if 'How' is unspecified, then for 'What' | In the case at Grenfell Tower, as part of a refurbishment, combustible cladding and insulation had been fitted on the outside of the building |
| Sequel | Cascading consequences resulting from 'How' | |



| Image | Alias | Description |
|-------|---|--|
| | Grenfell Tower: 14 June 2017, 01:14, 01:20, 01:24 | Andy Box, a London Fire Assistant Commissioner |
| | Who | Actors |
| | When | The starting point of 'What' |
| | Where | At 2:30 AM on June 14, 2017 |
| | What | At the West London tower block |
| | How | Arrived and felt his disbelief and horror to find three sides of the building alight |
| | Why | People were screaming |
| | Sequel | Cascading consequences resulting from 'How' |

| Image | How the evacuation happened | Action | Alias | Description |
|-------|-----------------------------|--|--|---|
| | | When Where What Who How Why Sequence | Alien Assess The starting point of "what" Location where "what" occurs Actions taken by "what" Direct consequences following "what" Reasons or causes for "what" if there is unspecified, then for "what" Causality consequences for "what" | Andy, Alex, a London Fire Assistant Commissioner At 1:47 AM on June 14, 2017, one hour and 55 minutes after the first emergency call In the West London tower block Gave the order to revoke the "stay put" policy |

DPP of the 2017 Grenfell Tower Fire (Scene#3)


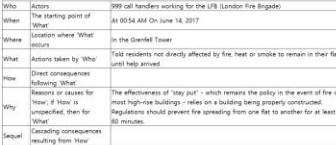
| | | | | | | | | |
|-----------|-----|------|------|-------|------|-----|-----|--------|
| Hazard | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards | Who | What | When | Where | What | How | Why | Sequel |
| Hazards</ | | | | | | | | |





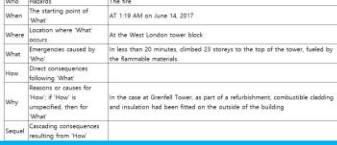
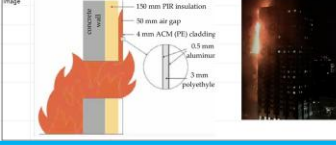
| | | |
|--------|---|---|
| Who | Actors | North Kensington unit of the LFB |
| When | The starting point of 'What' | At 00:55 AM On June 14, 2017 |
| Where | Location where 'What' occurs | At the Grenfell Tower |
| What | Actions taken by 'Who' | Arrived. |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |



DPP of the 2017 Grenfell Tower Fire (Scene#4)

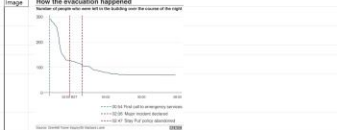

| Hazard | | Action | |
|--------|---|--------|---|
| Who | Aliases | Who | Aliases |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Emergencies caused by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |



| | | | |
|---|---|---|---|
|  | |  | |
| Who | Aliases | Who | Aliases |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Emergencies caused by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | | | |
|---|---|---|---|
|  | |  | |
| Who | Aliases | Who | Aliases |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Emergencies caused by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

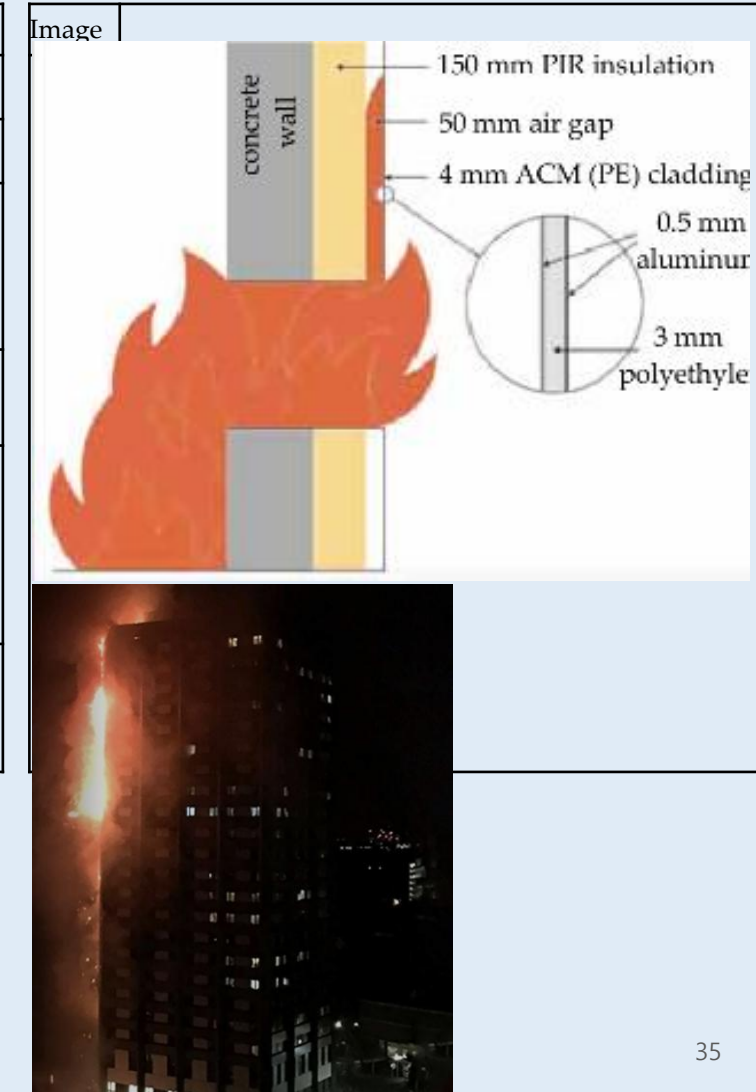
| | | | |
|---|---|---|---|
|  | |  | |
| Who | Aliases | Who | Aliases |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Emergencies caused by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | | | |
|---|---|---|---|
|  | |  | |
| Who | Aliases | Who | Aliases |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Emergencies caused by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | | | |
|---|---|---|---|
|  | |  | |
| Who | Aliases | Who | Aliases |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Emergencies caused by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | | | |
|---|---|---|---|
|  | |  | |
| Who | Aliases | Who | Aliases |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Emergencies caused by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | Hazard | Description |
|--------|---|--|
| Who | Hazards | The fire |
| When | The starting point of 'What' | AT 1:19 AM on June 14, 2017 |
| Where | Location where 'What' occurs | At the West London tower block |
| What | Emergencies caused by 'Who' | In less than 20 minutes, climbed 23 storeys to the top of the tower, fueled by the flammable materials. |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | In the case at Grenfell Tower, as part of a refurbishment, combustible cladding and insulation had been fitted on the outside of the building |
| Sequel | Cascading consequences resulting from 'How' | |



DPP of the 2017 Grenfell Tower Fire (Scene#5)

| Hazard | | Action | |
|--------|---|--------|---|
| Who | Aliases | Who | Aliases |
| When | Description | When | Description |
| Where | The starting point of 'What' | Where | The starting point of 'What' |
| What | Location where 'What' occurs | Where | Location where 'What' occurs |
| How | Emergencies caused by 'What' | How | Actions taken by 'Who' |
| Why | Direct consequences following 'What' | Why | Reasons or causes for 'How', if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | | |
|-------|--|--|
| Image | | <p>00:54 - Fire reported 00:55 - North Kensington 00:59 - Hammersmith and Kensington 01:15 - Paddington 01:19 - Paddington aerial ladder</p> |
|-------|--|--|

| | | | |
|--------|---|--------|---|
| Who | Aliases | Who | Aliases |
| When | Description | When | Description |
| Where | The starting point of 'What' | Where | The starting point of 'What' |
| What | Location where 'What' occurs | What | Location where 'What' occurs |
| How | Emergencies caused by 'What' | How | Actions taken by 'Who' |
| Why | Direct consequences following 'What' | Why | Reasons or causes for 'How', if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | | |
|-------|--|---|
| Image | | <p>120 mm PIR insulation 50 mm air gap 4 mm ACM (PIR) cladding 0.5 mm aluminium 3 mm polyethylene</p> |
|-------|--|---|

| | | |
|-------|--|--|
| Image | | <p>01:30 BST 02:10 BST 02:34 BST</p> |
|-------|--|--|

| | | | |
|--------|---|--------|---|
| Who | Aliases | Who | Aliases |
| When | Description | When | Description |
| Where | The starting point of 'What' | Where | The starting point of 'What' |
| What | Location where 'What' occurs | What | Location where 'What' occurs |
| How | Emergencies caused by 'What' | How | Actions taken by 'Who' |
| Why | Direct consequences following 'What' | Why | Reasons or causes for 'How', if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | | |
|-------|--|------------------------------------|
| Image | | <p>How the evacuation happened</p> |
|-------|--|------------------------------------|

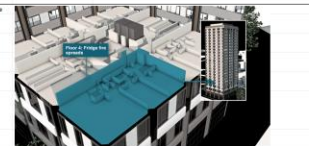

| | | | |
|--------|---|--------|---|
| Who | Aliases | Who | Aliases |
| When | Description | When | Description |
| Where | The starting point of 'What' | Where | The starting point of 'What' |
| What | Location where 'What' occurs | What | Location where 'What' occurs |
| How | Emergencies caused by 'What' | How | Actions taken by 'Who' |
| Why | Direct consequences following 'What' | Why | Reasons or causes for 'How', if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

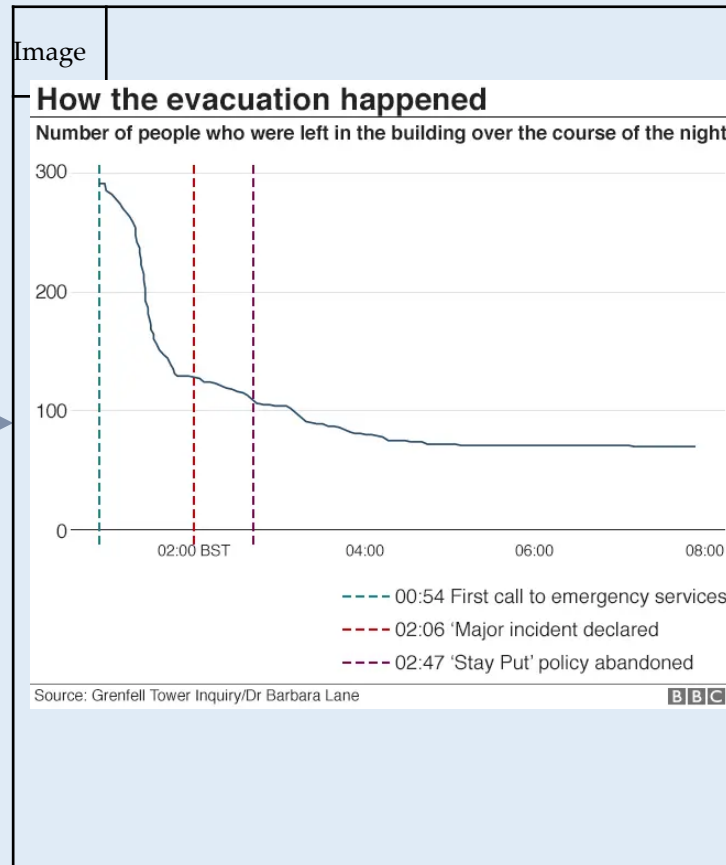


| Action Alias | | Description |
|--------------|---|--|
| Who | Actors | Andy Roe, a London Fire Assistant Commissioner |
| When | The starting point of 'What' | At 2:30 AM on June 14, 2017 |
| Where | Location where 'What' occurs | At the West London tower block |
| What | Actions taken by 'Who' | Arrived and felt his disbelief and horror to find three sides of the building alight. |
| How | Direct consequences following 'What' | People were screaming |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |

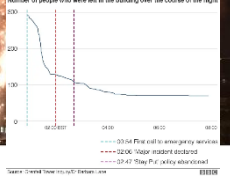


DPP of the 2017 Grenfell Tower Fire (Scene#6)

| Hazard | | Action | |
|--|---|---|---|
| Who | Alias | Who | Alias |
| When | Description | When | Description |
| Where | The starting point of 'What' | Where | The starting point of 'What' |
| What | At the West London tower block | Where | At the West London tower block |
| How | Emergencies caused by 'What' | How | Emergencies caused by 'What' |
| Why | Direct consequences following 'What' | Why | Direct consequences following 'What' |
| Sequel | Reasons or causes for 'How', if 'How' is unspecified, then for 'What' | Sequel | Reasons or causes for 'How', if 'How' is unspecified, then for 'What' |
| Image | | Image | |
|  | |  | |
| Image | | Image | |
|  | |  | |
| Image | | Image | |
|  | |  | |





| Action Alias | | Description |
|--------------|---|--|
| Who | Actors | Andy Roe, a London Fire Assistant Commissioner |
| When | The starting point of 'What' | At 2:47 AM on June 14, 2017, one hour and 53 minutes after the first emergency call |
| Where | Location where 'What' occurs | At the West London tower block |
| What | Actions taken by 'Who' | Gave the order to revoke the "stay put" policy |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |




DPP of the 2017 Grenfell Tower Fire (Scene#6)

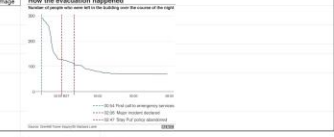
| Hazard | | Action | |
|--------|---|--------|---|
| Who | Hazards | Who | Description |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Emergencies caused by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | | | | |
|-------|---|--------|--|-------------|
| Image |  | Who | Actors | Description |
| | | When | At 00:54 AM On June 14, 2017 | |
| | | Where | In the Grenfell Tower | |
| | | What | Told residents not directly affected by fire heat or smoke to remain in their flats until help arrived | |
| | | How | Direct consequences following 'What' | |
| | | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| | | Sequel | Cascading consequences resulting from 'How' | |

| | | | | |
|-------|---|--------|---|-------------|
| Image |  | Who | Actors | Description |
| | | When | At 00:55 AM On June 14, 2017 | |
| | | Where | At the Grenfell Tower | |
| | | What | Arrived | |
| | | How | Direct consequences following 'What' | |
| | | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| | | Sequel | Cascading consequences resulting from 'How' | |

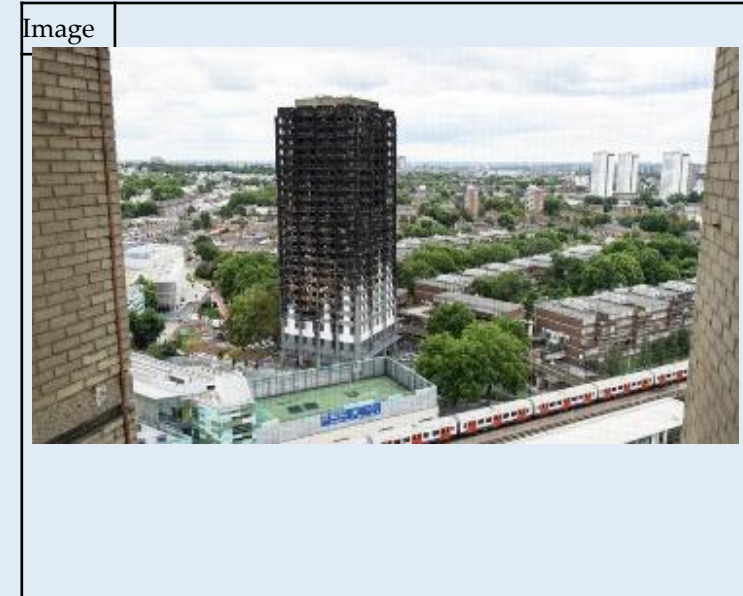
| | | | |
|--------|---|--------|---|
| Who | Hazards | Who | Description |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Emergencies caused by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| | | | | |
|-------|---|--------|--|-------------|
| Image |  | Who | Actors | Description |
| | | When | At 2:30 AM on June 14, 2017 | |
| | | Where | At the West London tower block | |
| | | What | Arrived and felt his disbelief and horror to find three sides of the building alight | |
| | | How | Direct consequences following 'What' | |
| | | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| | | Sequel | Cascading consequences resulting from 'How' | |

| | | | | |
|-------|---|--------|---|-------------|
| Image |  | Who | Actors | Description |
| | | When | At 2:47 AM on June 14, 2017, one hour and 53 minutes after the first emergency call | |
| | | Where | At the West London tower block | |
| | | What | Gave the order to revise the 'stay put' policy | |
| | | How | Direct consequences following 'What' | |
| | | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| | | Sequel | Cascading consequences resulting from 'How' | |

| | | | |
|--------|---|--------|---|
| Who | Hazards | Who | Description |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' | What | Emergencies caused by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

| Hazard Alias | Description |
|--------------|---|
| Who | Hazards |
| When | The starting point of 'What' |
| Where | Location where 'What' occurs |
| What | Emergencies caused by 'Who' |
| How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' |





On September 16, 2022
China Telecom Tower
(42-floor building) Fire
No deaths reported

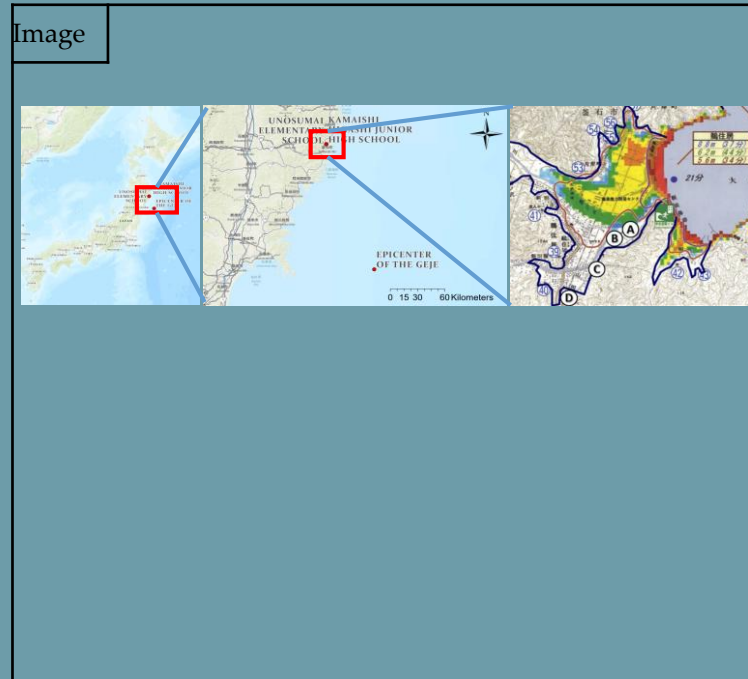
Unlike some countries,
Korea does not have a
'stay put' policy in the
event of block fires.

On October 8, 2020
Korean Samhwan Art
Nouveau Tower (33-floor
building) Fire
No deaths



DPP of the 2011 Kamaishi Miracle (Scene#1)

| Hazard Alias | | Description |
|--------------|---|--|
| Who | Hazards | An earthquake |
| When | The starting point of 'What' | At 2:46 PM on March 11, 2011 |
| Where | Location where 'What' occurs | In Unosumaicho, Kamaishi, Iwate |
| What | Emergencies caused by 'Who' | Hit Kamaishi Higashi junior high school and Unosumai elementary school and lasted for about 5 minutes |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |

[illegible]

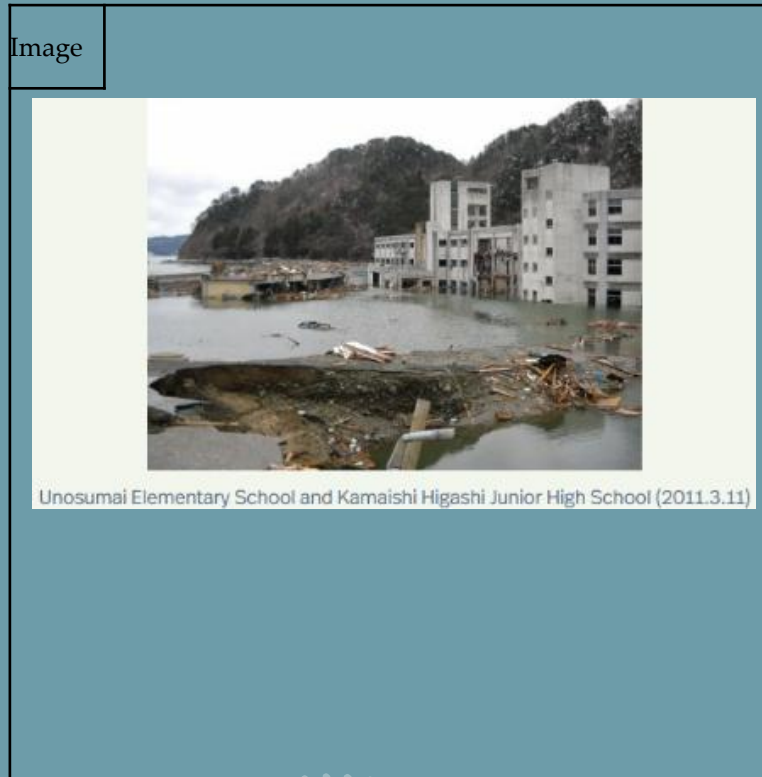
DPP of the 2011 Kamaishi Miracle (Scene#2)

| Image | |
|-------|--|
| | |

| Action | Alias | Description |
|--------|---|--|
| Who | Actors | The vice principal of Kamaishi Higashi Junior High School |
| When | The starting point of 'What' | On March 11, 2011 |
| Where | Location where 'What' occurs | At Kamaishi Higashi Junior High School |
| What | Actions taken by 'Who' | Attempted to announce an evacuation via the school's broadcasting system but was unable to do so because of a power outage . |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |

| Hazard | | Action | |
|--------------|---|--------|--|
| Hazard Alias | Description | Image | |
| Who | Intends | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Emergencies caused by 'What' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |

DPP of the 2011 Kamaishi Miracle (Scene#3)



| Action Alias | | Description |
|--------------|---|--|
| Who | Actors | Students doing sports activities in the schoolyard |
| When | The starting point of 'What' | On March 11, 2011 |
| Where | Location where 'What' occurs | At Kamaishi Higashi Junior High School |
| What | Actions taken by 'Who' | Shouted loudly towards the school building, " A tsunami is coming! Run away! " and ran away from the school. |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |

| Hazard | | Action | |
|--------|---|--------|---|
| Image | | Image | |
| Alias | Description | Alias | Description |
| Who | Impacts | Who | Actors |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'What' | What | Actions taken by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |
| Image | | Image | |
| Alias | Description | Alias | Description |
| Who | Impacts | Who | Actors |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'What' | What | Actions taken by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |
| Image | | Image | |
| Alias | Description | Alias | Description |
| Who | Impacts | Who | Actors |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'What' | What | Actions taken by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |
| Image | | Image | |
| Alias | Description | Alias | Description |
| Who | Impacts | Who | Actors |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'What' | What | Actions taken by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |
| Image | | Image | |
| Alias | Description | Alias | Description |
| Who | Impacts | Who | Actors |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'What' | What | Actions taken by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |
| Image | | Image | |
| Alias | Description | Alias | Description |
| Who | Impacts | Who | Actors |
| When | The starting point of 'What' | When | The starting point of 'What' |
| Where | Location where 'What' occurs | Where | Location where 'What' occurs |
| What | Emergencies caused by 'What' | What | Actions taken by 'Who' |
| How | Direct consequences following 'What' | How | Direct consequences following 'What' |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' |
| Sequel | Cascading consequences resulting from 'How' | Sequel | Cascading consequences resulting from 'How' |

DPP of the 2011 Kamaishi Miracle (Scene#4)



| Action | Alias | Description |
|--------|---|---|
| Who | Actors | The students of Unosumai Elementary School |
| When | The starting point of 'What' | On March 11, 2011 |
| Where | Location where 'What' occurs | At Unosumai Elementary School, adjacent to Kamaishi Higashi Junior High School |
| What | Actions taken by 'Who' | Initially attempted to evacuate to the third floor of their school building, but changed their action when they saw the junior high school students —who had participated in a joint evacuation drill—running outside. |
| How | Direct consequences following 'What' | They then ran downstairs, following the junior high school students. |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |

| Alias | Description | Image |
|--|--|-------|
| Who: Unosumai | An earthquake | |
| When: The starting point of 'What' | At 2:46 PM on March 11, 2011 | |
| Where: Location where 'What' occurs | In Unosumai, Kamaishi, Iwate | |
| What: Direct consequences following 'What' | Emergency caused by the earthquake | |
| How: Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | At Unosumai Elementary School and Unosumai Junior High School and Unosumai High School | |
| Sequel: Cascading consequences resulting from 'How' | | |
| Who: Actors | The vice principal of Kamaishi Higashi Junior High School | |
| When: The starting point of 'What' | On March 11, 2011 | |
| Where: Location where 'What' occurs | At Kamaishi Higashi Junior High School | |
| What: Actions taken by 'Who' | Attempted to announce an evacuation via the school's broadcasting system but was unable to do so because of a power outage. | |
| How: Direct consequences following 'What' | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Why: Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel: Cascading consequences resulting from 'How' | | |
| Who: Actors | Students doing sports activities in the schoolyard | |
| When: The starting point of 'What' | On March 11, 2011 | |
| Where: Location where 'What' occurs | At Kamaishi Higashi Junior High School | |
| What: Actions taken by 'Who' | Shouldn't really towards the school building. A tsunami is coming! Run away! and run away from the school. | |
| How: Direct consequences following 'What' | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Why: Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | Other students heard the shouting and followed them. | |
| Sequel: Cascading consequences resulting from 'How' | | |
| Who: Actors | The students of Unosumai Elementary School | |
| When: The starting point of 'What' | On March 11, 2011 | |
| Where: Location where 'What' occurs | At Unosumai Elementary School, adjacent to Kamaishi Higashi Junior High School | |
| What: Actions taken by 'Who' | Initially attempted to evacuate to the third floor of their school building but changed their action when they saw the junior high school students—who had participated in a joint evacuation drill—running outside. | |
| How: Direct consequences following 'What' | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Why: Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | They then ran downstairs, following the junior high school students. | |
| Sequel: Cascading consequences resulting from 'How' | | |
| Who: Actors | The junior high and elementary school students of Kamaishi Higashi and Unosumai | |
| When: The starting point of 'What' | On March 11, 2011 | |
| Where: Location where 'What' occurs | An elderly welfare facility, which was designated as an evacuation site | |
| What: Actions taken by 'Who' | Arrived safely at the designated evacuation site | |
| How: Direct consequences following 'What' | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Why: Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel: Cascading consequences resulting from 'How' | | |
| Who: Actors | Some junior high school students | |
| When: The starting point of 'What' | On March 11, 2011 | |
| Where: Location where 'What' occurs | At an elderly welfare facility designated as an evacuation site | |
| What: Actions taken by 'Who' | Discovered that all were already collecting the tsunami making a large splash, and noise rising from damaged houses nearby. | |
| How: Direct consequences following 'What' | They informed the teachers who were checking attendance. "It's not safe here!" and suggested evacuating to a safer facility located on higher ground. | |
| Why: Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel1: Cascading consequences resulting from 'How' | On the way to the second evacuation site, the junior high school students held the hands of the elementary school students and even assisted hurry teachers evacuating children from a nearby nursery school. | |
| Sequel2: Cascading consequences resulting from 'How' | Nearly residents noticed the evacuating students and followed them to safety. | |
| Image | | |

DPP of the 2011 Kamaishi Miracle (Scene#5)



| Action | Alias | Description |
|--------|---|--|
| Who | Actors | The junior high and elementary school students of Kamaishi Higashi and Unosumi |
| When | The starting point of 'What' | In 10 minutes on March 11, 2011 |
| Where | Location where 'What' occurs | At an elderly welfare facility, which was designated as an evacuation site |
| What | Actions taken by 'Who' | Arrived safely at the designated evacuation site |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |

| Hazard | | Action | |
|--------|---|--------|--|
| Alias | Description | Image | |
| Who | Intents | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Emergencies caused by 'What' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Alias | Description | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Alias | Description | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Alias | Description | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Alias | Description | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Alias | Description | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Alias | Description | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |
| Alias | Description | | |
| Who | Actors | | |
| When | The starting point of 'What' | | |
| Where | Location where 'What' occurs | | |
| What | Actions taken by 'Who' | | |
| How | Direct consequences following 'What' | | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | | |
| Sequel | Cascading consequences resulting from 'How' | | |
| Image | | | |

DPP of the 2011 Kamaishi Miracle (Scene#6)

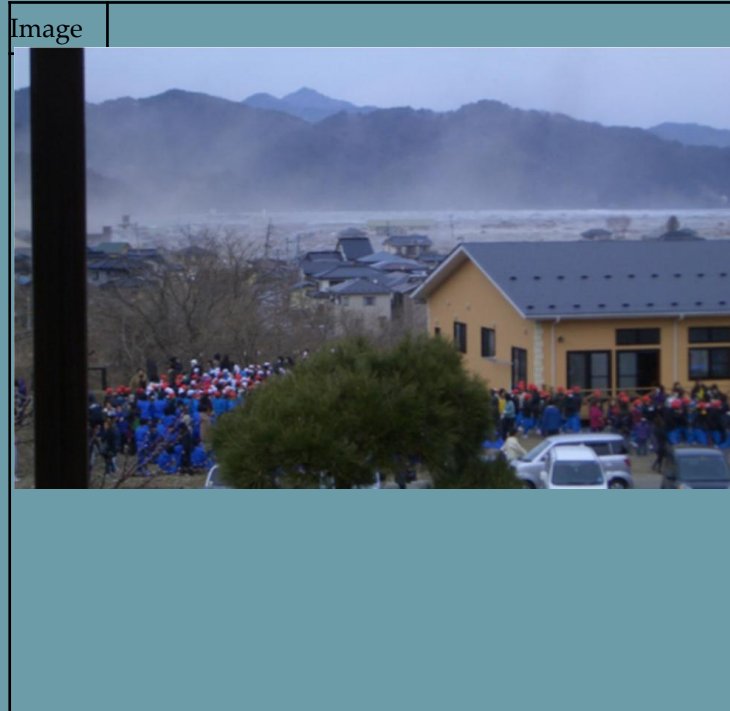


| Action | Alias | Description |
|------------|---|---|
| Who | Actors | Some junior high school students |
| When | The starting point of 'What' | On March 11, 2011 |
| Where | Location where 'What' occurs | At the elderly welfare facility designated as an evacuation site |
| What | Actions taken by 'Who' | Observed the cliff near the facility collapsing, the tsunami striking a levee causing a large splash , and smoke rising from damaged houses nearby. |
| How | Direct consequences following 'What' | They informed the teachers who were checking attendance, "It's not safe here," and suggested evacuating to a safer facility located on higher ground . |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel (1) | Cascading consequences resulting from 'How' | On the way to the second evacuation site, the junior high school students held the hands of the elementary school students and even assisted nursery teachers evacuating children from a nearby nursery school. |
| Sequel (2) | Cascading consequences resulting from 'How' | Nearby residents noticed the evacuating students and followed them to safety. |

| Alias | Description | Image |
|--|---|-------|
| Who: Actors | An earthquake | |
| When: The starting point of 'What' | At 2:46 PM on March 11, 2011 | |
| Where: Location where 'What' occurs | In Unsumachi, Kamaishi, Iwate | |
| What: Emergencies caused by 'Who' | At Kamaishi High School Junior High School and Unsumachi elementary school and junior high school for about 5 minutes. | |
| How: Direct consequences following 'What' | Reasons or causes for 'How' if 'How' is unspecified, then for 'What' | |
| Why: Reason or causes for 'How' if 'How' is unspecified, then for 'What' | Reasons or causes for 'How' if 'How' is unspecified, then for 'What' | |
| Sequel: Cascading consequences resulting from 'How' | Cascading consequences resulting from 'How' | |
| Who: Actors | The vice principal of Kamaishi High School | |
| When: The starting point of 'What' | On March 11, 2011 | |
| Where: Location where 'What' occurs | At Kamaishi High School | |
| What: Actions taken by 'Who' | Attempted to announce an evacuation via the school's broadcasting system but was unable to do so because of a power outage. | |
| How: Direct consequences following 'What' | Reasons or causes for 'How' if 'How' is unspecified, then for 'What' | |
| Why: Reason or causes for 'How' if 'How' is unspecified, then for 'What' | Reasons or causes for 'How' if 'How' is unspecified, then for 'What' | |
| Sequel: Cascading consequences resulting from 'How' | Cascading consequences resulting from 'How' | |
| Who: Actors | Students doing sports activities in the schoolyard | |
| When: The starting point of 'What' | On March 11, 2011 | |
| Where: Location where 'What' occurs | At Kamaishi High School | |
| What: Actions taken by 'Who' | Students loudly roared the school building "A tsunami is coming! Run away!" and ran away from the school. | |
| How: Direct consequences following 'What' | Reasons or causes for 'How' if 'How' is unspecified, then for 'What' | |
| Why: Reason or causes for 'How' if 'How' is unspecified, then for 'What' | Other students heard the shouting and followed them. | |
| Sequel: Cascading consequences resulting from 'How' | Cascading consequences resulting from 'How' | |
| Who: Actors | The students of Unsumachi Elementary School | |
| When: The starting point of 'What' | On March 11, 2011 | |
| Where: Location where 'What' occurs | At Unsumachi Elementary School, adjacent to Kamaishi High School | |
| What: Actions taken by 'Who' | Usually intended to evacuate to the first floor of their school building but changed their action when they saw the junior high school students—who had participated in a joint evacuation drill—running outside. | |
| How: Direct consequences following 'What' | Reasons or causes for 'How' if 'How' is unspecified, then for 'What' | |
| Why: Reason or causes for 'How' if 'How' is unspecified, then for 'What' | They then ran down stairs, following the junior high school students. | |
| Sequel: Cascading consequences resulting from 'How' | Cascading consequences resulting from 'How' | |
| Who: Actors | The junior high and elementary school students of Kamaishi High School and Unsumachi | |
| When: The starting point of 'What' | On March 11, 2011 | |
| Where: Location where 'What' occurs | At an elderly welfare facility, which was designated as an evacuation site | |
| What: Actions taken by 'Who' | Arrived safely at the designated evacuation site | |
| How: Direct consequences following 'What' | Reasons or causes for 'How' if 'How' is unspecified, then for 'What' | |
| Why: Reason or causes for 'How' if 'How' is unspecified, then for 'What' | Reasons or causes for 'How' if 'How' is unspecified, then for 'What' | |
| Sequel: Cascading consequences resulting from 'How' | Cascading consequences resulting from 'How' | |
| Who: Actors | Some junior high school students | |
| When: The starting point of 'What' | On March 11, 2011 | |
| Where: Location where 'What' occurs | At an elderly welfare facility designated as an evacuation site | |
| What: Actions taken by 'Who' | Observed the cliff near the facility collapsing, the tsunami striking a levee causing a large splash, and smoke rising from damaged houses nearby. | |
| How: Direct consequences following 'What' | Reasons or causes for 'How' if 'How' is unspecified, then for 'What' | |
| Why: Reason or causes for 'How' if 'How' is unspecified, then for 'What' | They informed the teachers who were checking attendance, "It's not safe here!" and suggested evacuating to a safer facility located on higher ground. | |
| Sequel: Cascading consequences resulting from 'How' | On the way to the second evacuation site, the junior high school students held the hands of the elementary school students and even assisted nursery teachers evacuating children from a nearby nursery school. | |
| Sequel: Cascading consequences resulting from 'How' | On the way to the second evacuation site, the junior high school students held the hands of the elementary school students and even assisted nursery teachers evacuating children from a nearby nursery school. | |
| Who: Actors | Some junior high school students | |
| When: The starting point of 'What' | On March 11, 2011 | |
| Where: Location where 'What' occurs | At an elderly welfare facility designated as an evacuation site | |
| What: Actions taken by 'Who' | Observed the cliff near the facility collapsing, the tsunami striking a levee causing a large splash, and smoke rising from damaged houses nearby. | |
| How: Direct consequences following 'What' | Reasons or causes for 'How' if 'How' is unspecified, then for 'What' | |
| Why: Reason or causes for 'How' if 'How' is unspecified, then for 'What' | They informed the teachers who were checking attendance, "It's not safe here!" and suggested evacuating to a safer facility located on higher ground. | |
| Sequel: Cascading consequences resulting from 'How' | On the way to the second evacuation site, the junior high school students held the hands of the elementary school students and even assisted nursery teachers evacuating children from a nearby nursery school. | |
| Sequel: Cascading consequences resulting from 'How' | On the way to the second evacuation site, the junior high school students held the hands of the elementary school students and even assisted nursery teachers evacuating children from a nearby nursery school. | |

DPP of the 2011 Kamaishi Miracle (Scene#7)

| Hazard Alias | | Description |
|--------------|---|---|
| Who | Hazards | A tsunami |
| When | The starting point of 'What' | Only 30 seconds after all students arrived at the second evacuation site |
| Where | Location where 'What' occurs | At the second evacuation site |
| What | Emergencies caused by 'Who' | Approached very close to the second evacuation site but did not reach it. |
| How | Direct consequences following 'What' | There were no casualties. |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |



| Hazard | | Action |
|--------|---|--------|
| Alias | Description | |
| Who | Impacts | Image |
| When | The starting point of 'What' | |
| Where | Location where 'What' occurs | |
| What | Emergencies caused by 'Who' | |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |
| Image | | |
| Alias | Description | |
| Who | Actors | |
| When | The starting point of 'What' | |
| Where | Location where 'What' occurs | |
| What | Actions taken by 'Who' | |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |
| Image | | |
| Alias | Description | |
| Who | Actors | |
| When | The starting point of 'What' | |
| Where | Location where 'What' occurs | |
| What | Actions taken by 'Who' | |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |
| Image | | |
| Alias | Description | |
| Who | Actors | |
| When | The starting point of 'What' | |
| Where | Location where 'What' occurs | |
| What | Actions taken by 'Who' | |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |
| Image | | |
| Alias | Description | |
| Who | Actors | |
| When | The starting point of 'What' | |
| Where | Location where 'What' occurs | |
| What | Actions taken by 'Who' | |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |
| Image | | |
| Alias | Description | |
| Who | Actors | |
| When | The starting point of 'What' | |
| Where | Location where 'What' occurs | |
| What | Actions taken by 'Who' | |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |
| Image | | |
| Alias | Description | |
| Who | Actors | |
| When | The starting point of 'What' | |
| Where | Location where 'What' occurs | |
| What | Actions taken by 'Who' | |
| How | Direct consequences following 'What' | |
| Why | Reasons or causes for 'How'; if 'How' is unspecified, then for 'What' | |
| Sequel | Cascading consequences resulting from 'How' | |
| Image | | |

Results

| Disasters | Lead time (min) | Commanders (Leaders) | Followers (Individuals) | Deaths |
|---------------------------------|-----------------------------------|--|---|---|
| Okawa Elementary School Tragedy | 31 min (2:59 - 3:30 PM) | The on-site commander wasted a significant amount of time interpreting the phrase 'vacant land near school, or park, etc.' as written in the manual. As a result, he ultimately misinterpreted it and took incorrect evacuation actions. | They wasted time waiting for the commander's instructions and took no proactive actions to obtain updated information on the emergency situation. | 74 of 78 students (MR=94.9%) 10 of 11 teachers (MR=90.9%) Where MR means mortality rate. |
| Sewol Ferry Tragedy | 57 min (8:49 - 9:46 AM) | The captain and crew ordered passengers to remain on board but did not give the passengers an evacuation order until they themselves disembarked. | Most of the students and teachers actively followed the crew's instructions until the end. However, it is presumed that many civilians did not fully comply with the crew's orders. | 250 of 325 students (MR=77.0%) 9 of 11 teachers (MR=81.8%), 32 of 108 civilians (MR=29.6%), 9 of 29 crews (MR=31.0%) |
| Grenfell Tower Fire | 25 min (0:54 - 1:19 AM) | LFB (London Fire Brigade) adhered to the standard evacuation guideline (stay put). Even though they recognized early that the situation was different , the 'stay put' policy remained unchanged. | In the early stages of a fire, when evacuation is possible, the "stay put" policy is followed. However, during later stages, when evacuation becomes difficult, some individuals attempt to evacuate. | 72 of 295 residents (MR=24.4%) |
| Kamaishi Miracle | 10 min | The commanders accepted the followers' judgment. At certain points, they ended up becoming followers themselves. | The followers observed the tsunami continuously and shouted loudly, "A tsunami is coming! Run away!" took the lead and started fleeing. Seeing this, all the other followers also followed. They expressed their judgment to their commanders. | No victims (MR=0%) |

Conclusion

- From the findings of these cases, I suggest that :
 - **For on-site commanders**
 - They must clearly understand the scenarios upon which the instructions or policies in their manuals or plans are based.
 - In an emergency, they need to continuously monitor whether the current situation remains within these anticipated scenarios.
 - If the situation remains within the expected range, they should maintain the existing course of action;
 - However, if conditions deviate, commanders must promptly adjust or revoke previous instructions or policies accordingly.
 - **For followers**
 - In emergencies, most people are likely to be followers. However, no matter how urgent the situation may be, we must not abandon our sense of agency.
 - Simply waiting for instructions without acting is no different from surrendering our autonomy.
 - Followers should actively observe situational changes and report them to commanders to facilitate timely and appropriate actions.

