

Supply Shield Analysis Document

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| Date | Description | Status |
|------------|---------------|----------------------------------|
| 19.03.2023 | Initial Draft | Work in Progress (Incomplete) |

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Use Cases **3**

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Use Cases

| ID | FR ID | Description | Actor | Preconditions | Event Flow | Post-conditions | Extensions |
|----|-------|---|----------------------|--|--|---|--|
| 1 | | A manager declares a supply chain incident. | Manager | The actor is a registered manager and has logged in. | <ol style="list-style-type: none"> 1. The actor chooses to declare a new supply chain incident. 2. The actor is guided by the system to create a new incident. 3. The actor is asked for confirmation. 4. The actor provides confirmation. | An incident is declared and the relevant entities are notified. | |
| 2 | | A manager registers an account. | Unregistered Manager | The actor has a registration code from his organization. | <ol style="list-style-type: none"> 1. The actor starts the registration process. 2. The actor enters their organization's access code. 3. The actor enters their details. 4. The system registers the actor 5. The actor's organization verifies the new account. 6. The actor's account is enabled. | The actor is registered as a manager for the respective organization. | 5a. The actor's organization does not verify the actor's account. 6a. The actor's account is deleted. |
| 3 | | An organization | Unregistered | The organization | <ol style="list-style-type: none"> 1. The organization | The organization | |

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| | | n registers an account. | Organization | on has a registration code from a Supply Shield administrator. | starts the registration process. 2. The organization enters their Supply Shield registration code. 3. The organization enters their details. 4. The organization activates their new account. | n is added to the Supply Shield system. | |
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Non-Functional Requirements

- The application should have a low barrier to entry for new users.
- The system must be mass-scalable.
- Database interactions must be traceable.
- Visibility of other entities in the system should be as limited as possible while not sacrificing functionality.
- Potential for false negative and false positive in declaring supply chain disruptions should be minimal.