



CMOROC Appendix C – DCoS Models

Identification of Competences for MASS Operators in Remote Operation Centres

V 2.2

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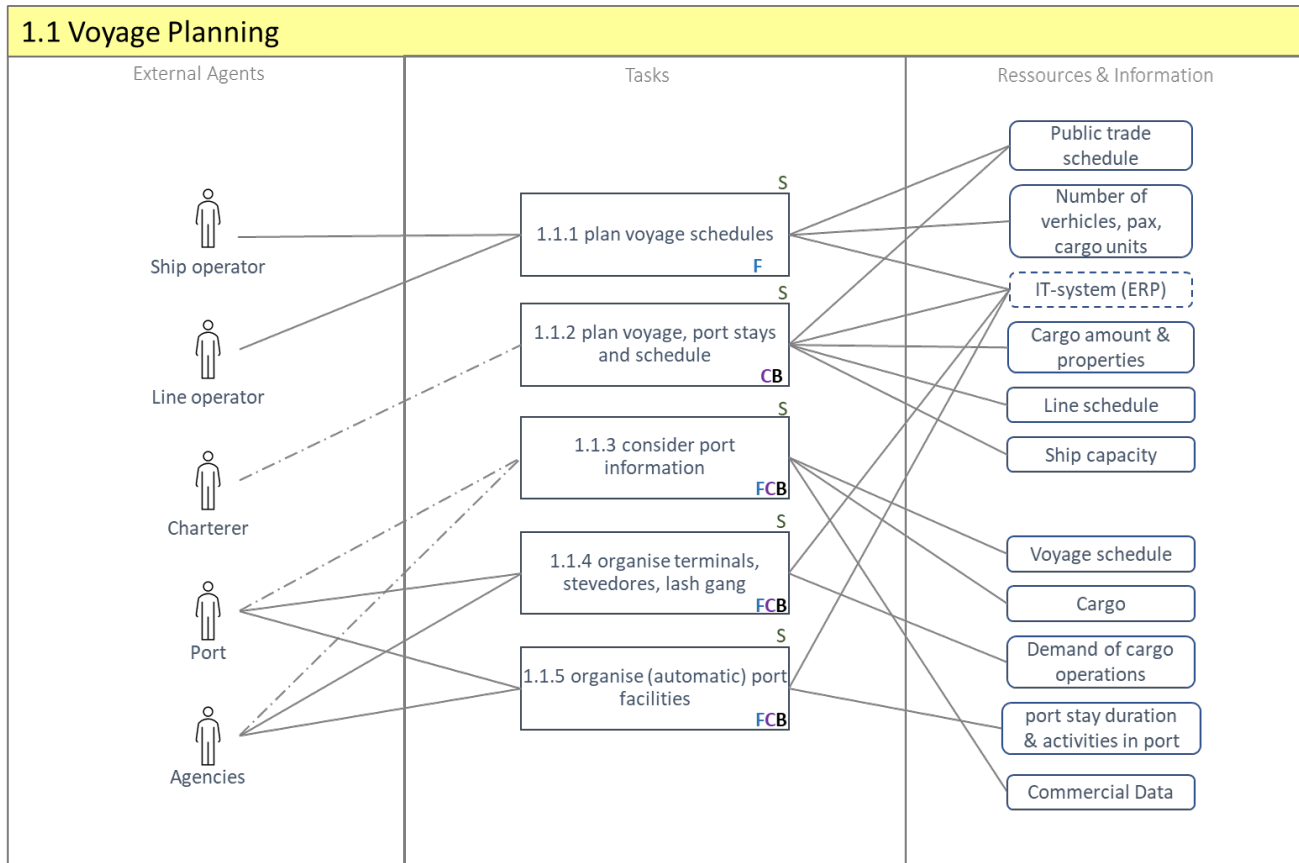
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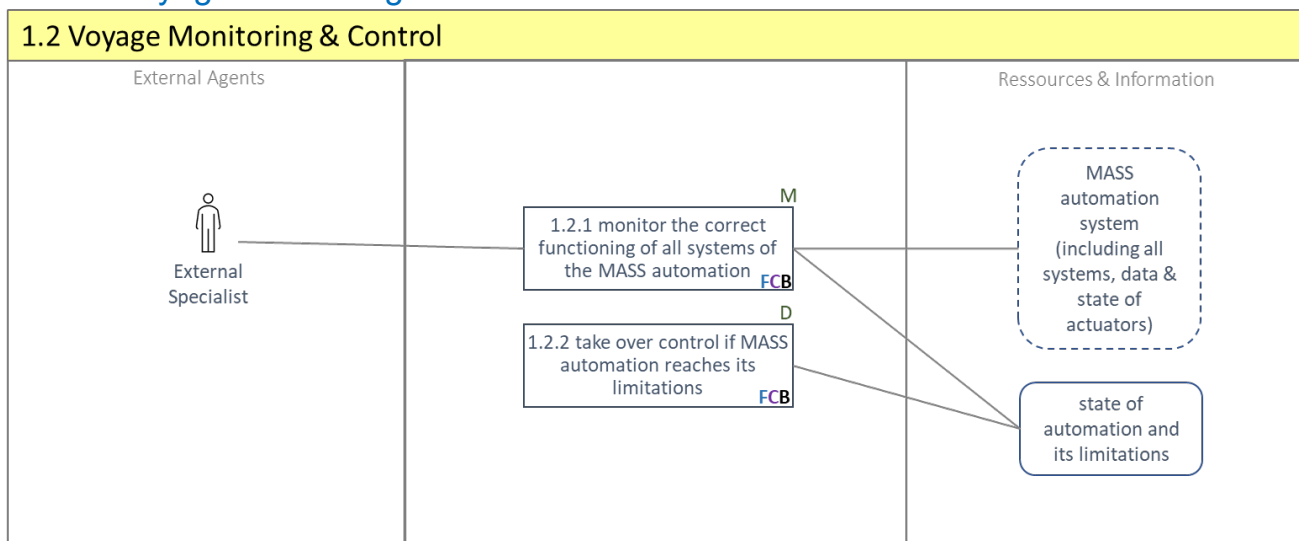
This appendix contains the DCoS models. A detailed description of the models, as well as further details of the tasks, agents and resources described there, can be found in the main report.

1. Voyage Planning & Control

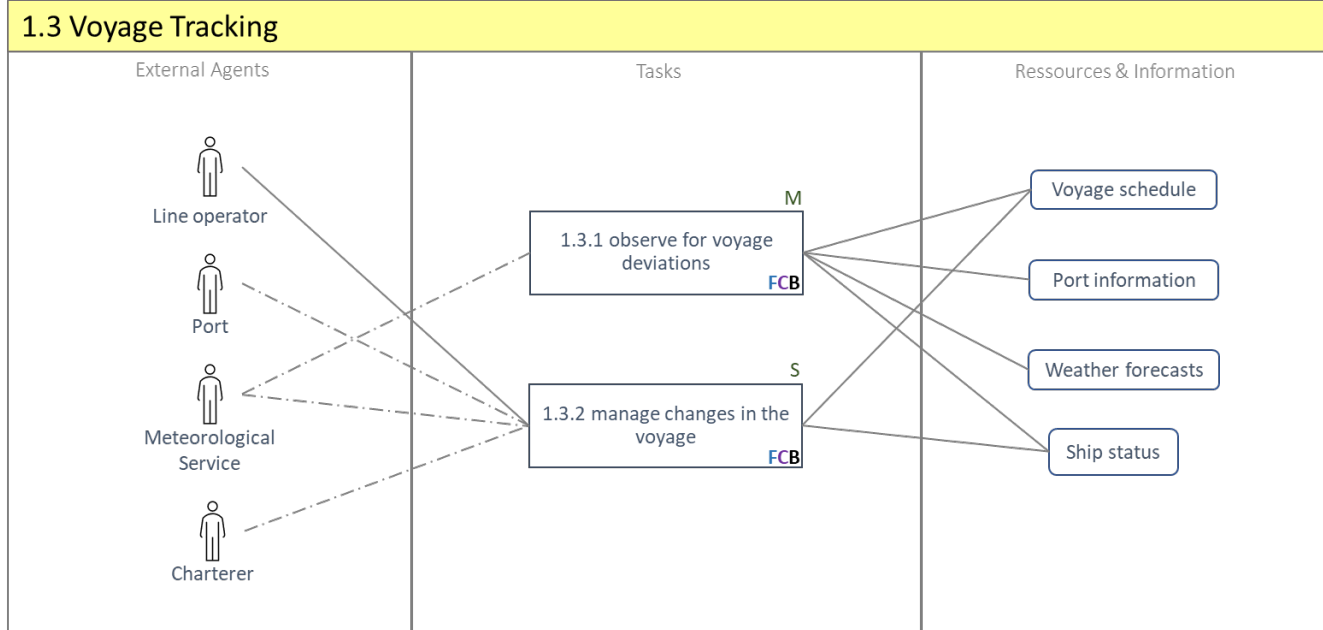
1.1 Voyage Planning



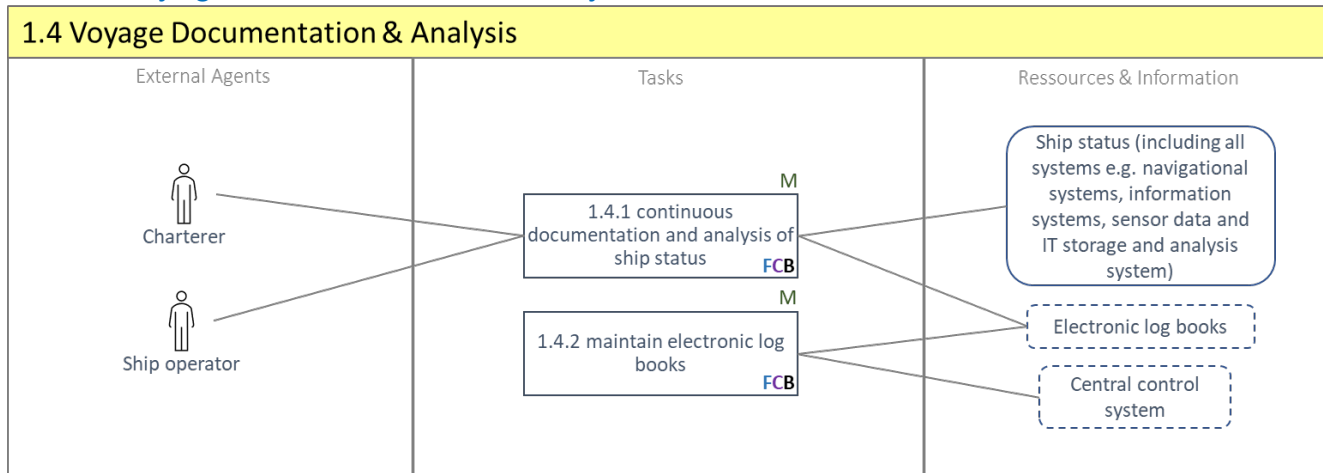
1.2 Voyage Monitoring & Control



1.3 Voyage Tracking



1.4 Voyage Documentation & Analysis

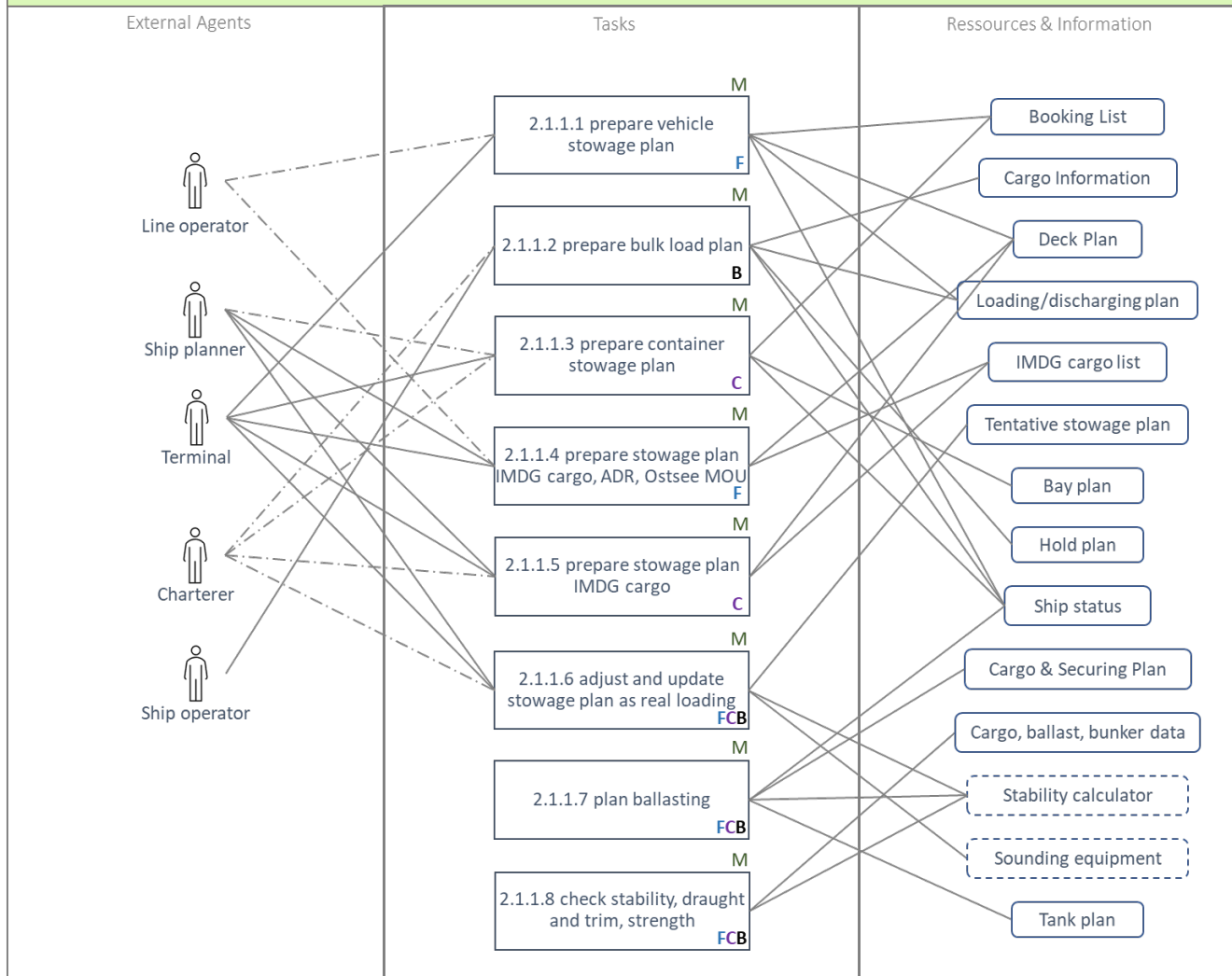


2. Cargo Operations

2.1 Cargo/Pax Planning and Loading

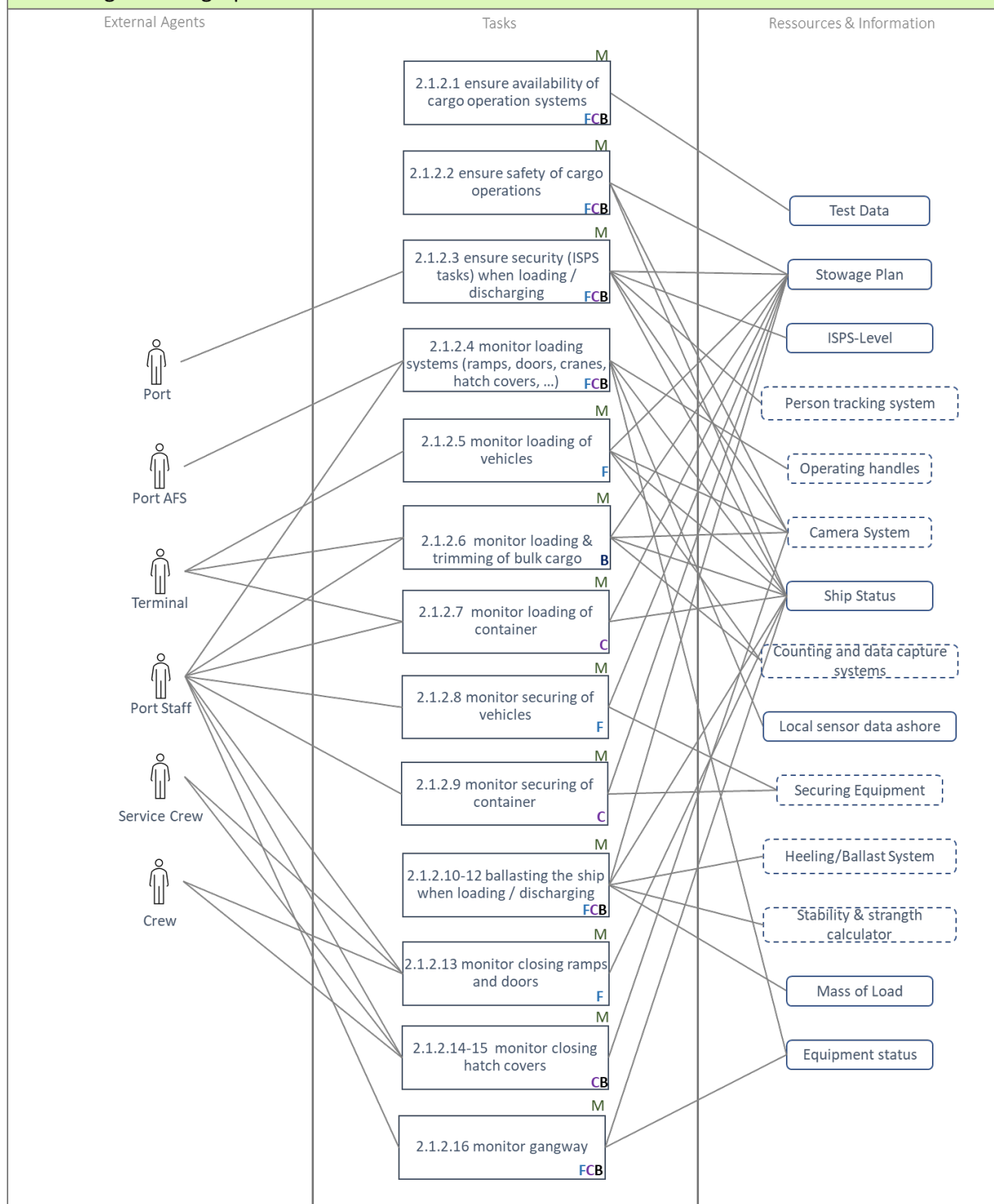
2.1 Cargo/PAX Planning and Loading

2.1.1 Cargo Planning



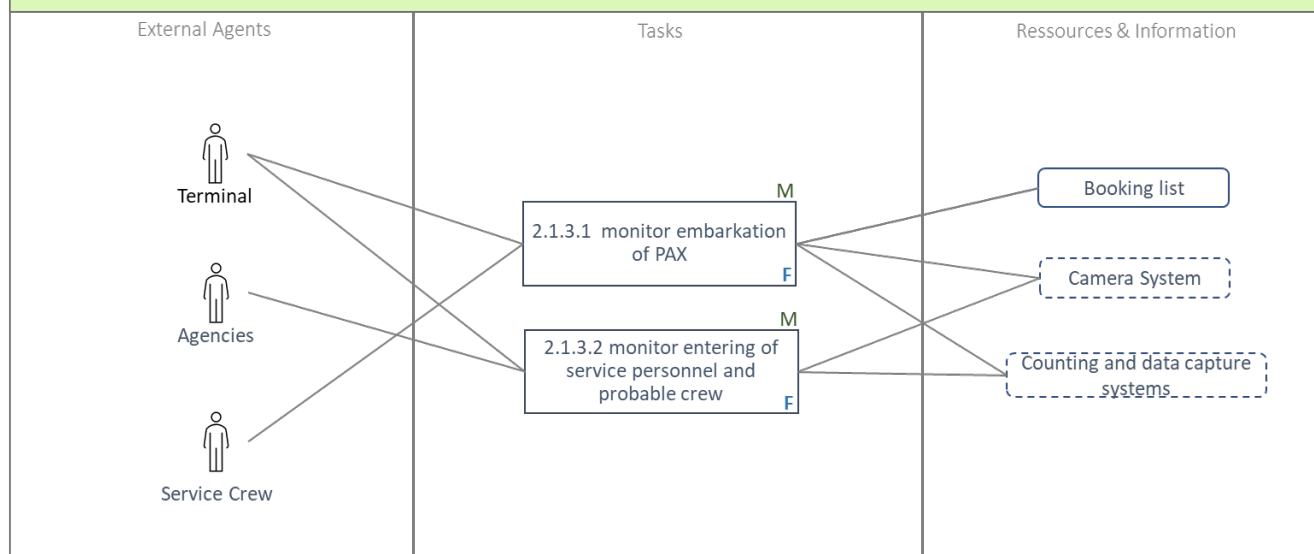
2.1 Cargo/PAX Planning and Loading

2.1.2 Cargo Loading Operations



2.1 Cargo/PAX Planning and Loading

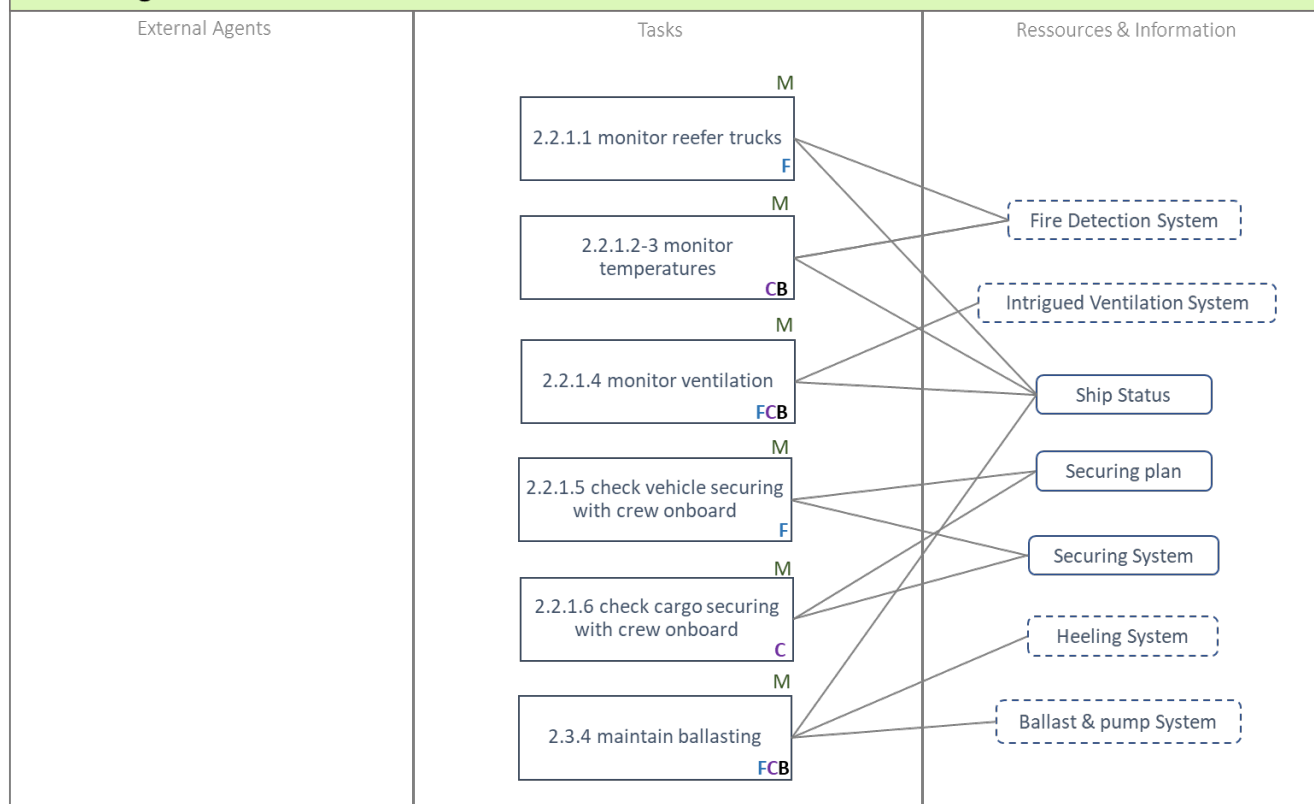
2.1.3 PAX Embarkation



2.2 Cargo Care at Sea

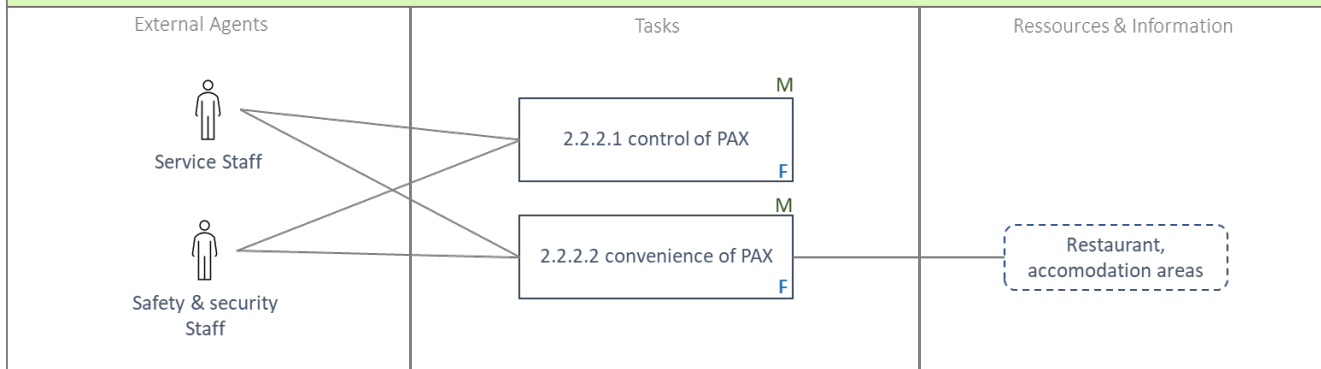
2.2 Cargo Care at Sea

2.2.1 Cargo Care



2.2 Cargo Care at Sea

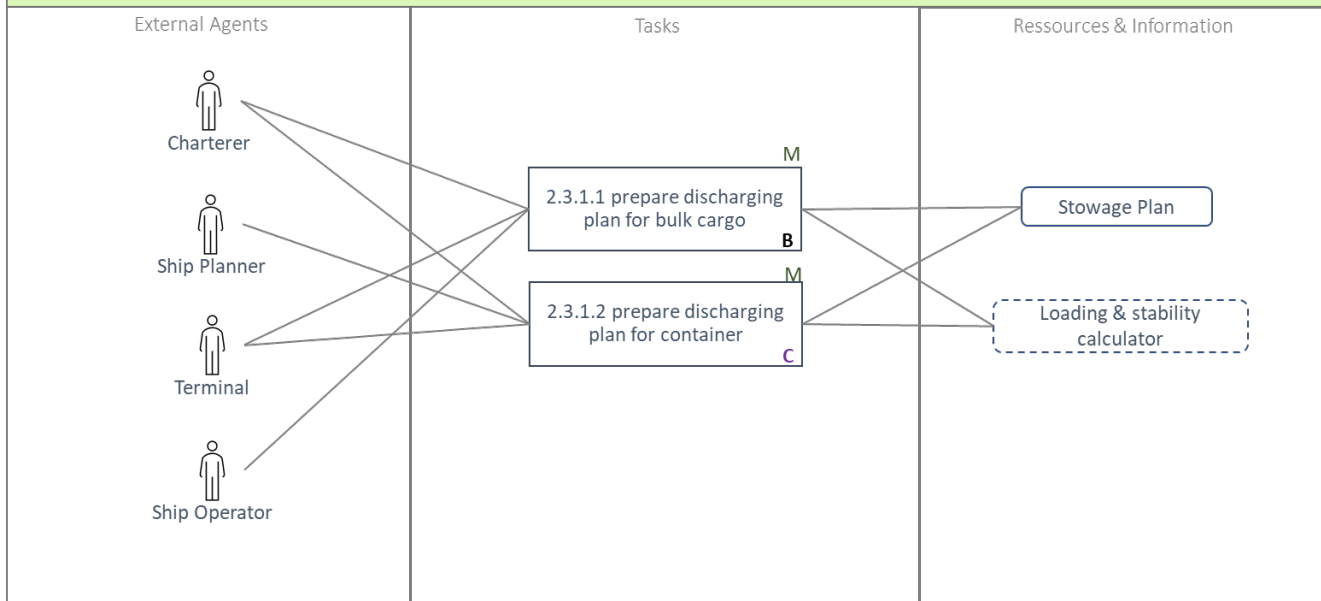
2.2.2 PAX Control



2.3 Cargo/Pax Discharging

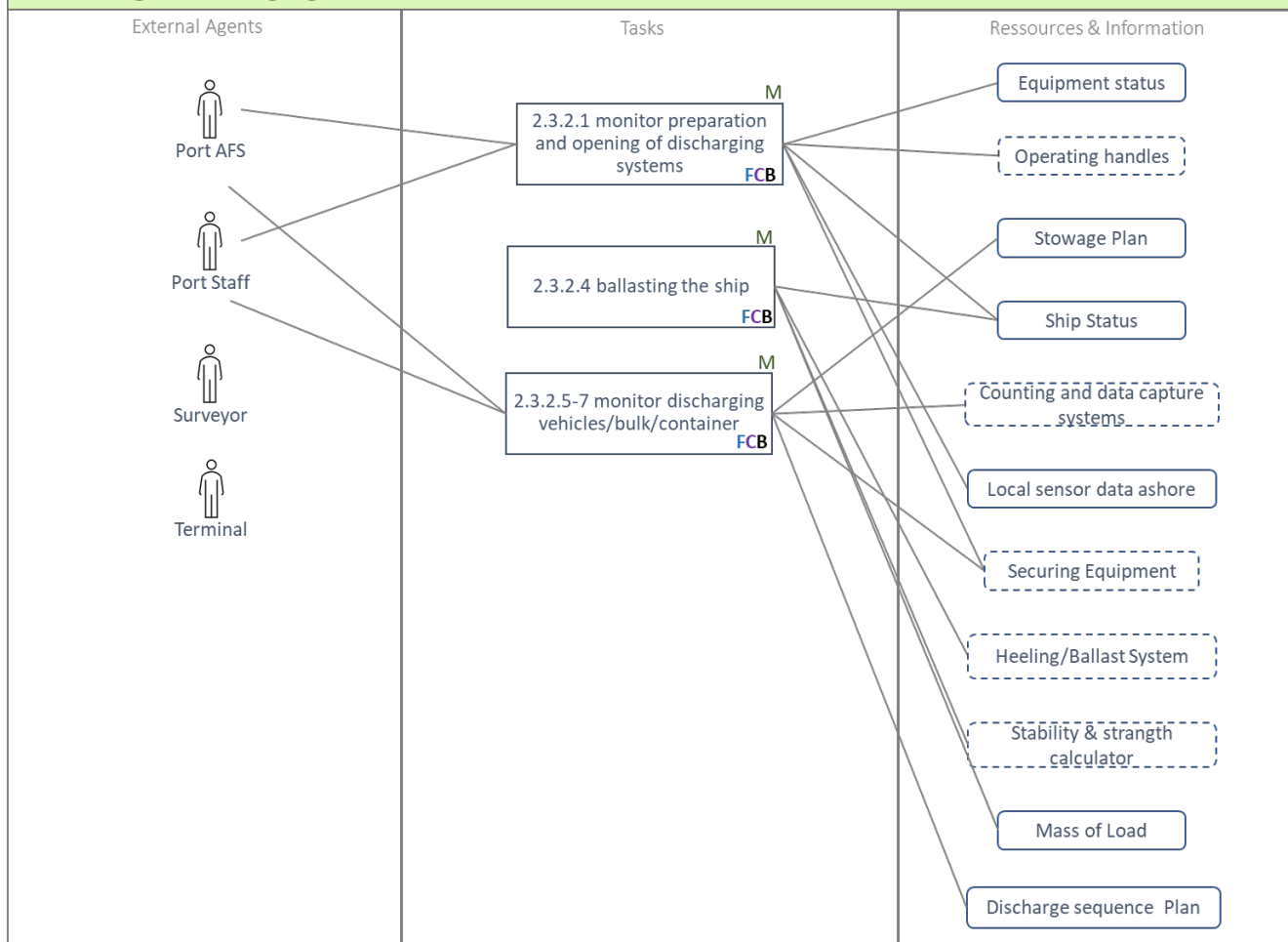
2.3 Cargo Discharging

2.3.1 Cargo Discharging Planning



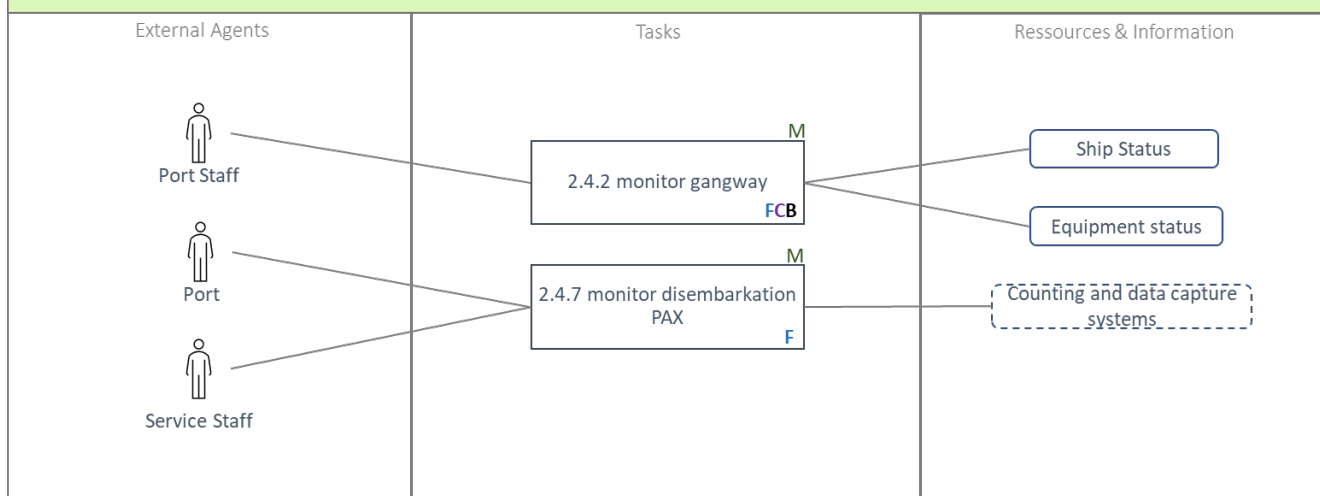
2.3 Cargo Discharging

2.3.2 Cargo Discharging



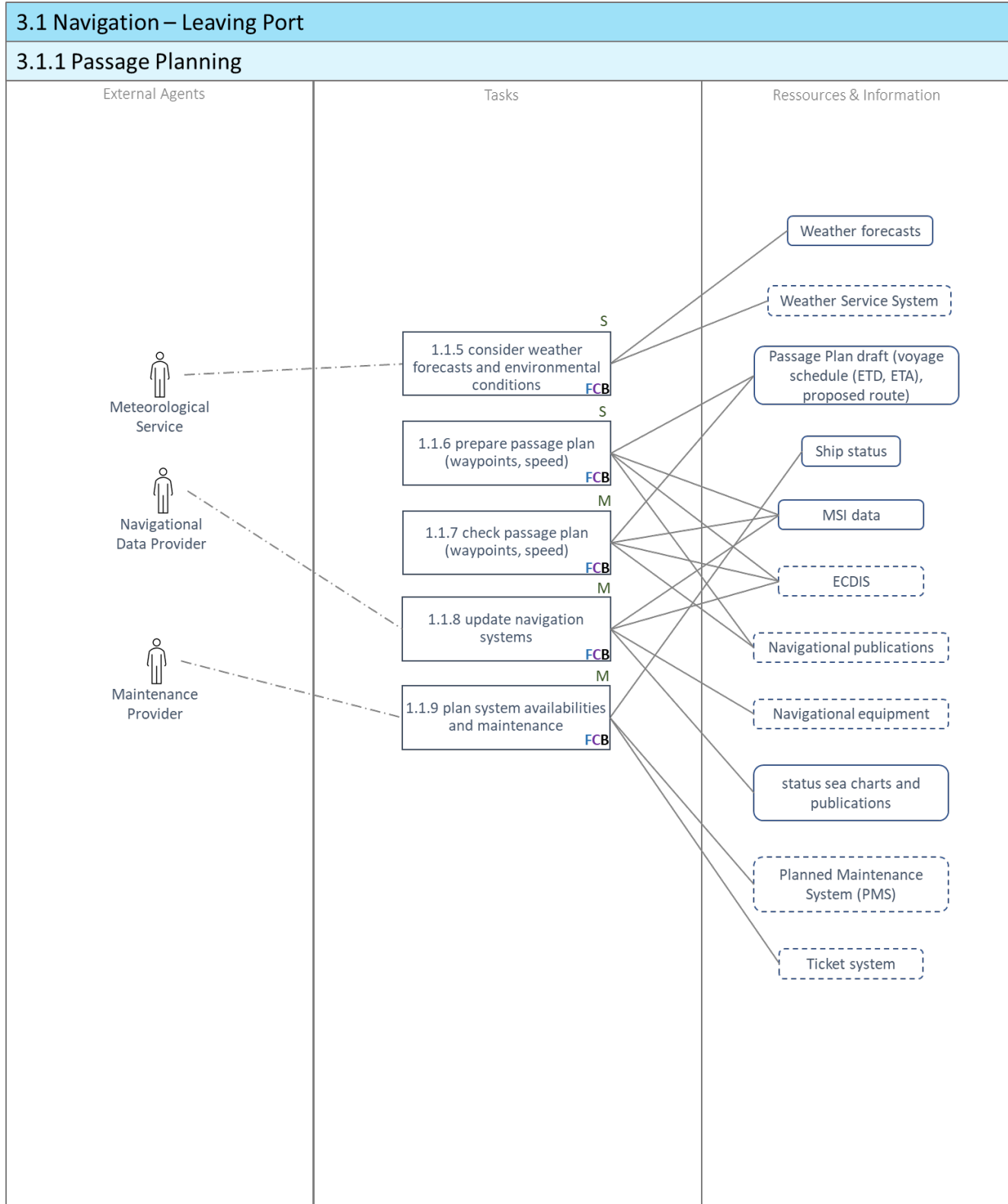
2.3 Cargo Discharging

2.3.3 PAX Disembarkation



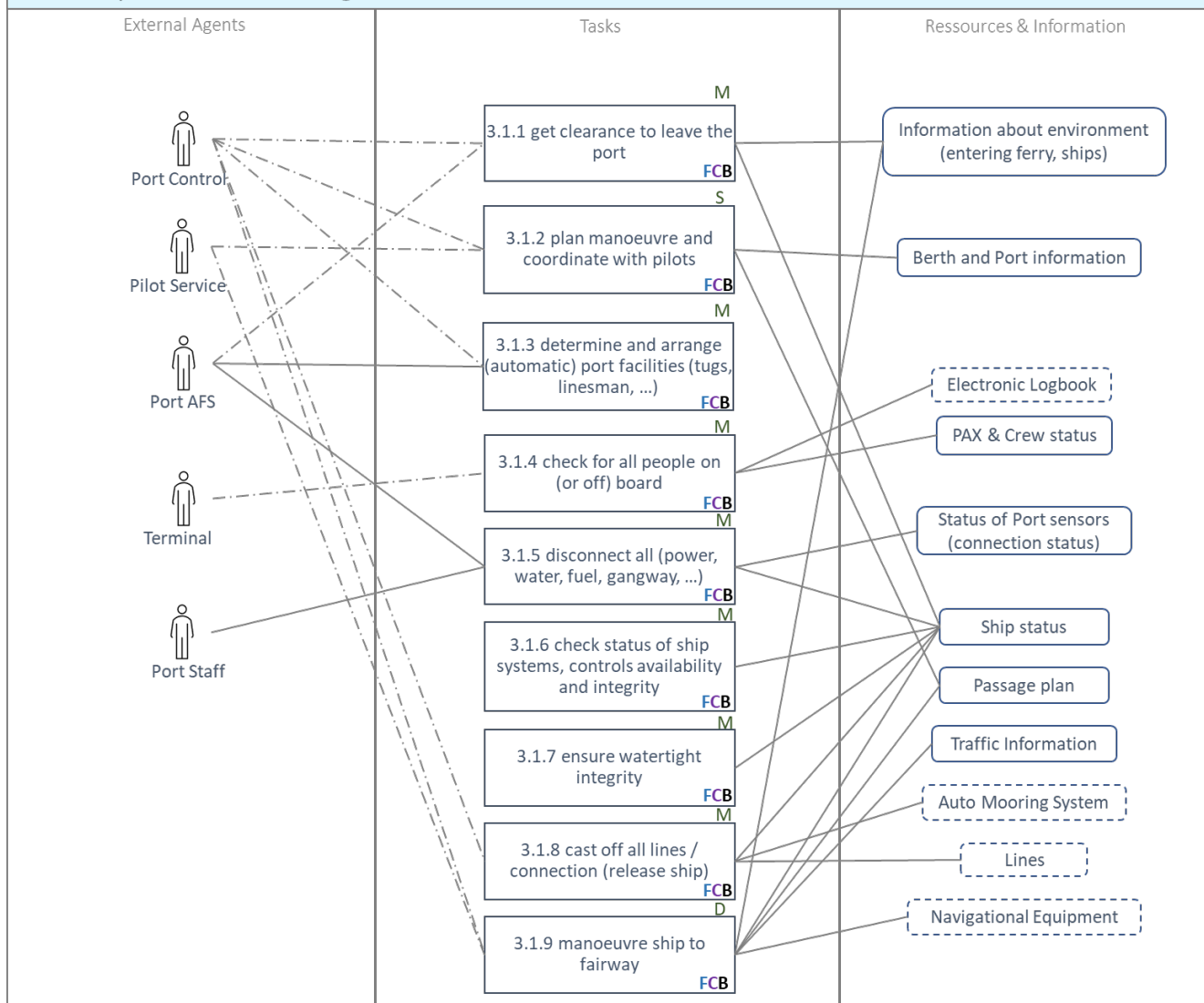
3. Navigation

3.1 Preparation and leaving port

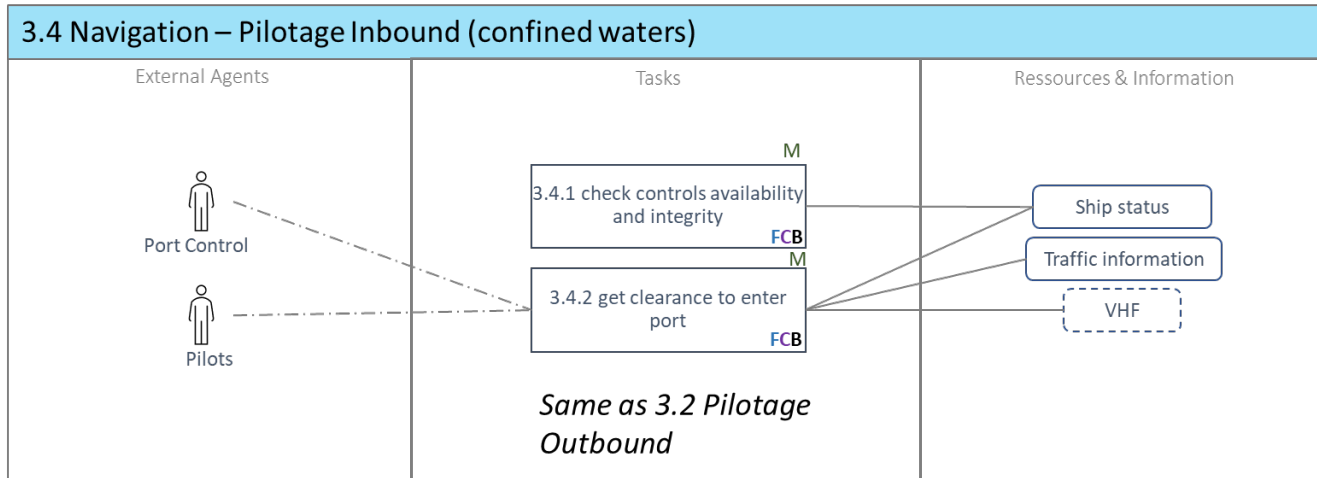
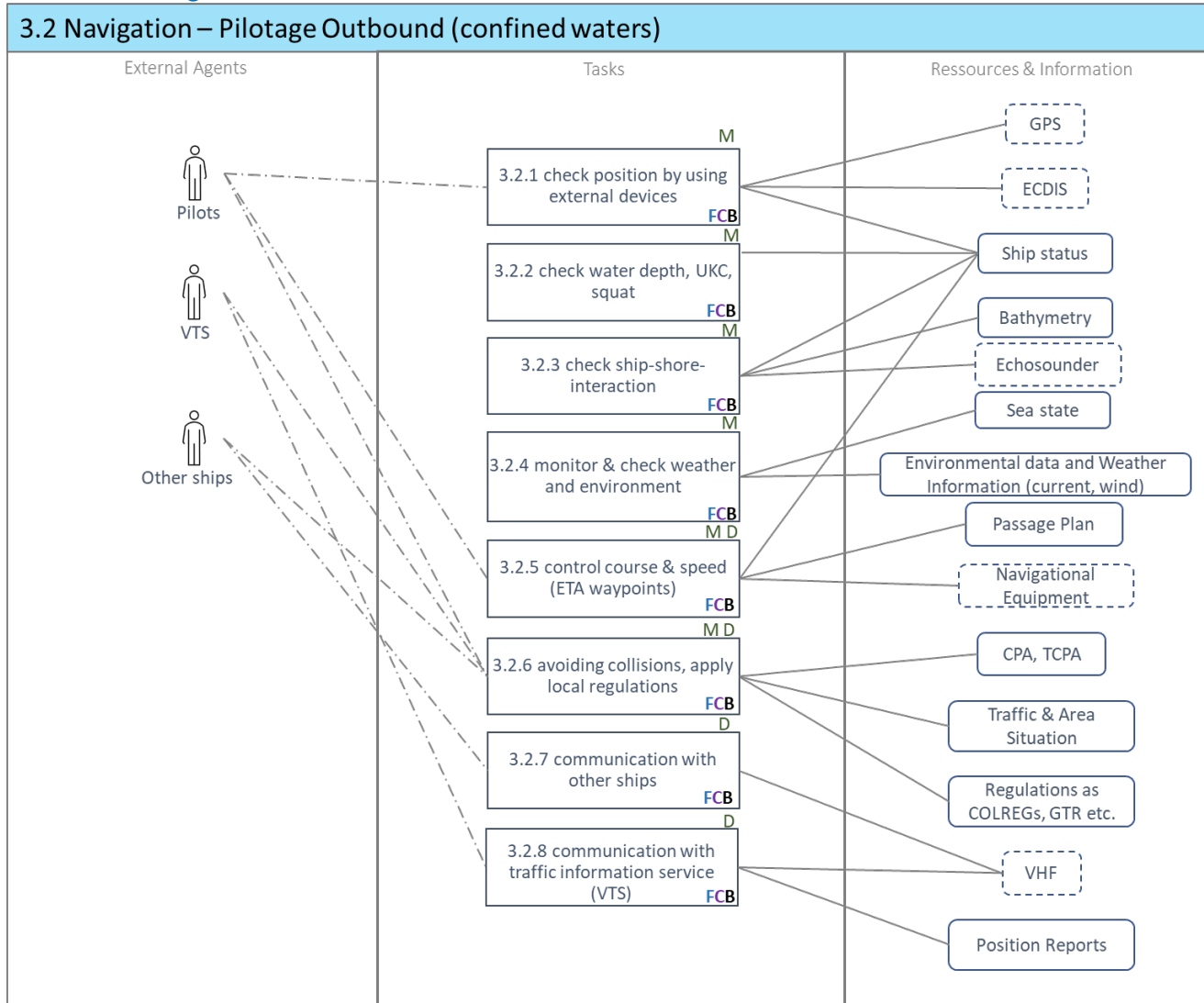


3.1 Navigation – Leaving Port

3.1.2 Departure/De-Berthing

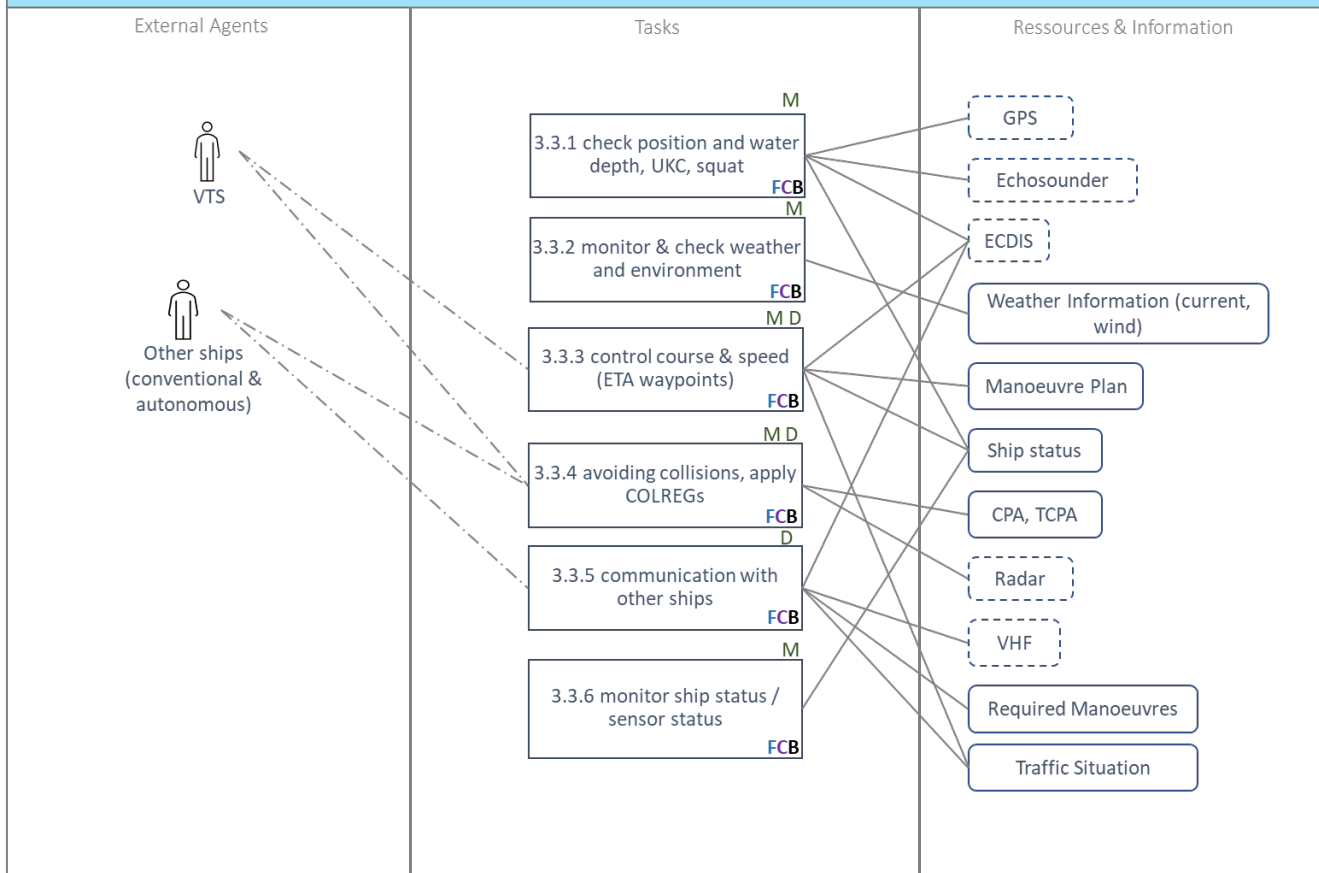


3.2 Pilotage inbound / outbound



3.3 Sea Passage

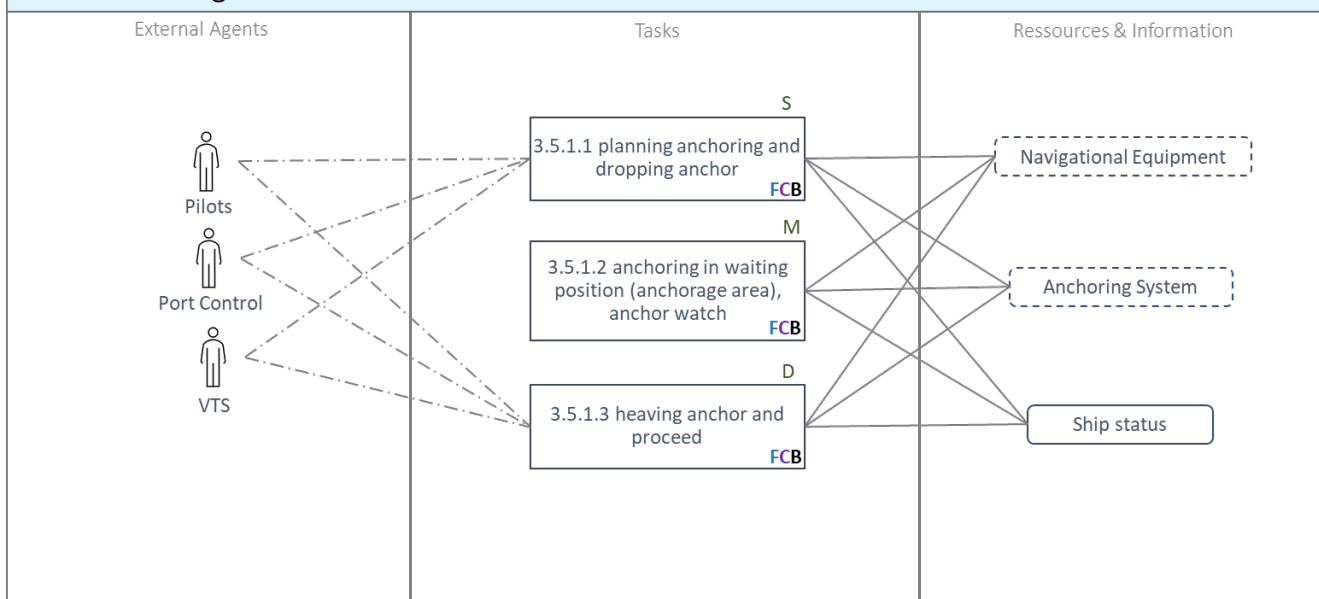
3.3 Navigation – Sea Passage (open sea)



3.4 Arrival and port stay

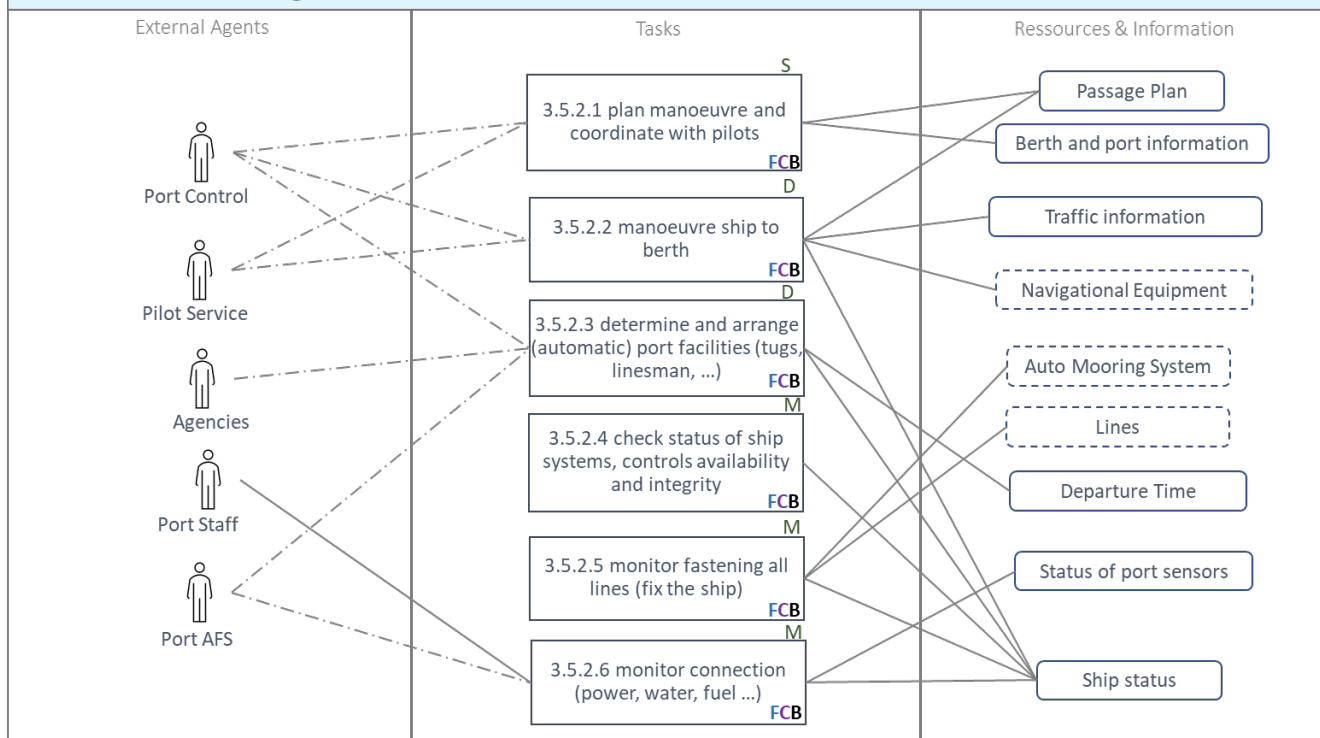
3.5 Navigation – Arrival Port

3.5.1 Anchoring

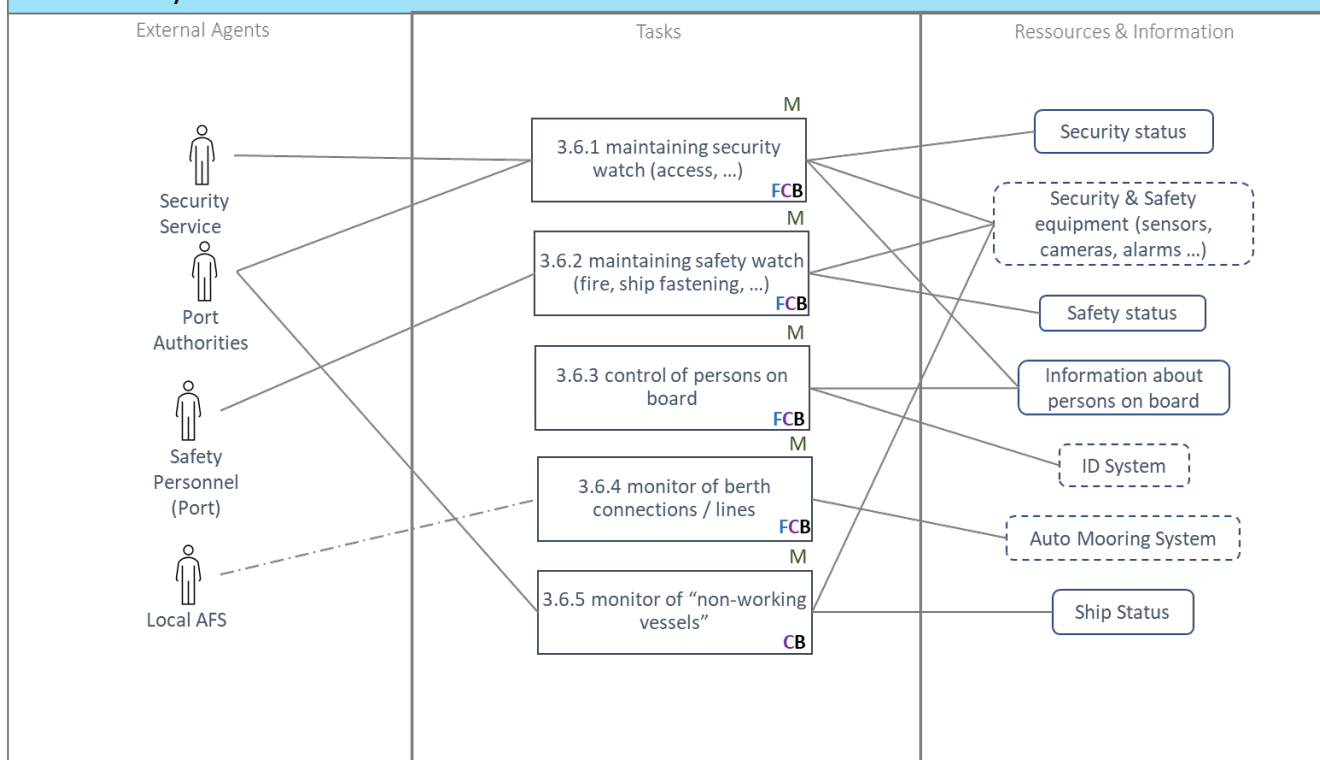


3.5 Navigation – Arrival Port

3.5.2 Arrival/Berthing

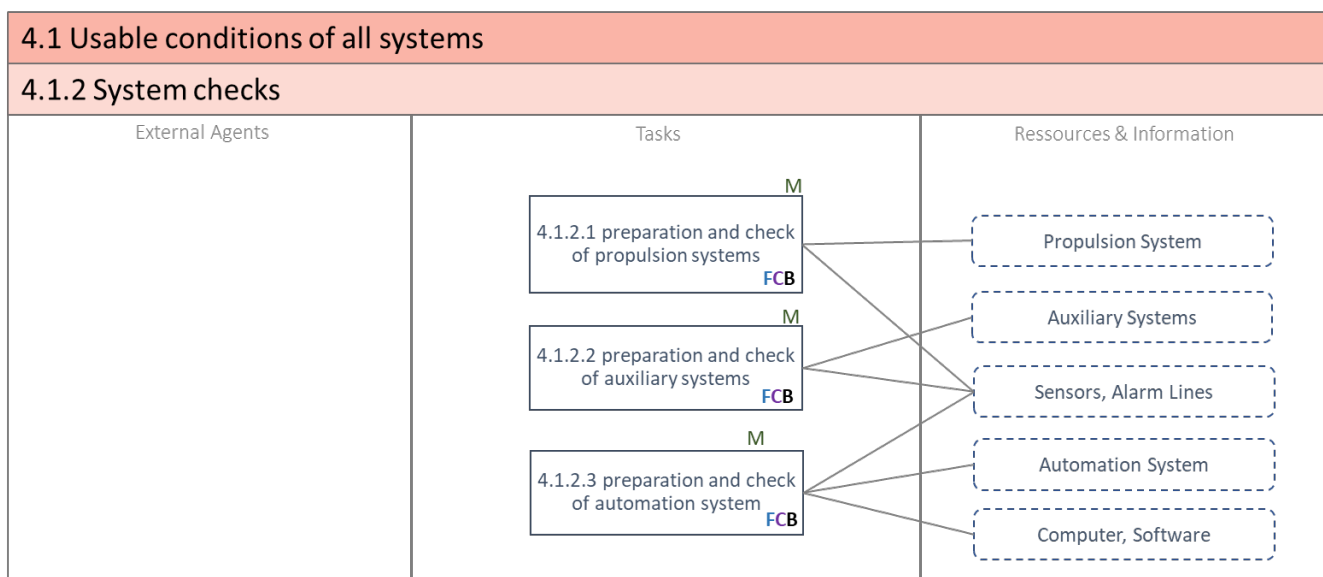
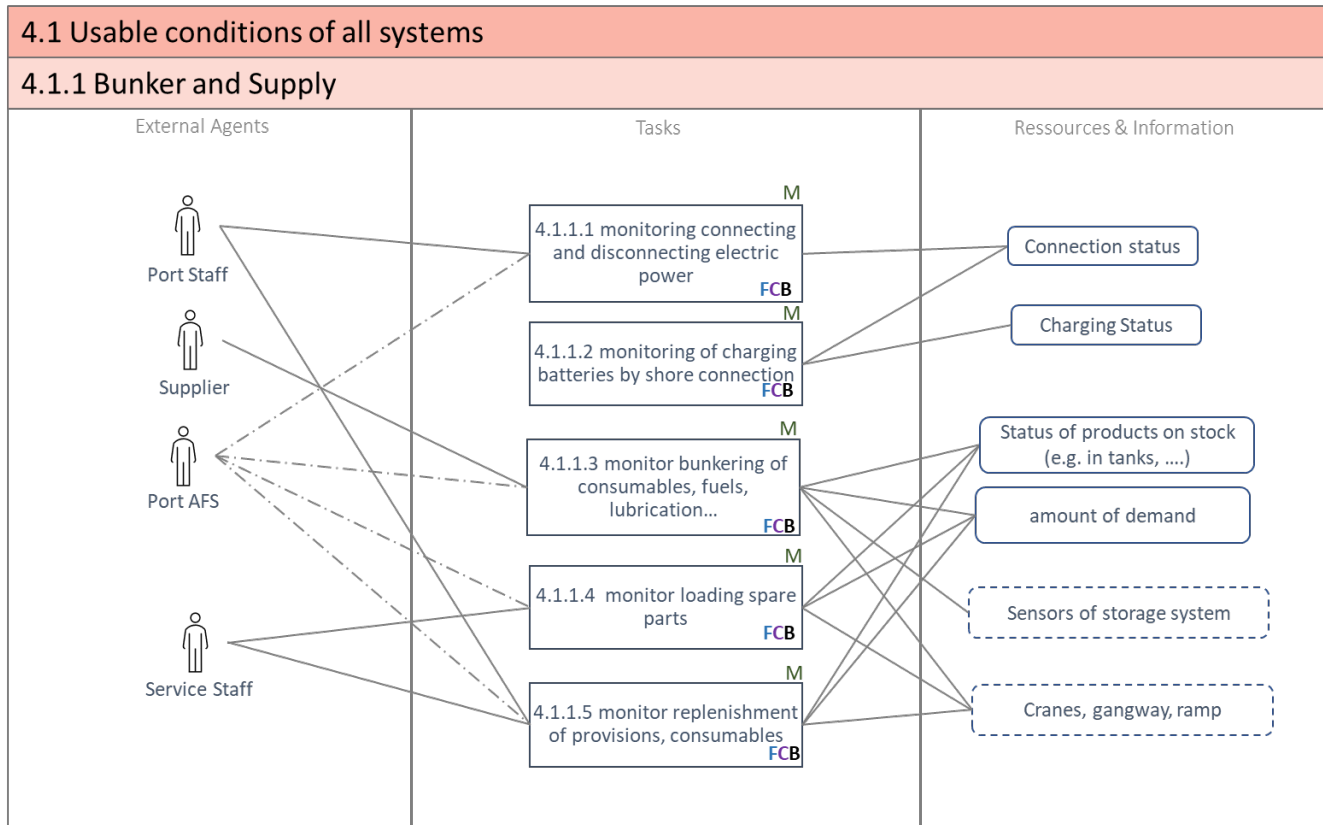


3.6 Port Stay



4. Engineering Operations

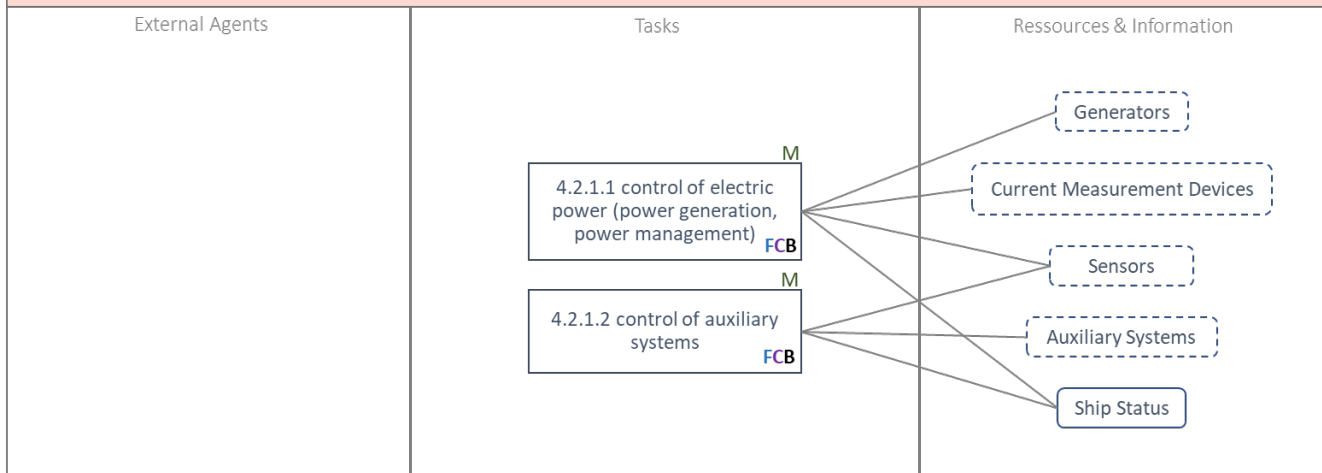
4.1 Usable conditions of MASS system



4.2 Control of MASS performance

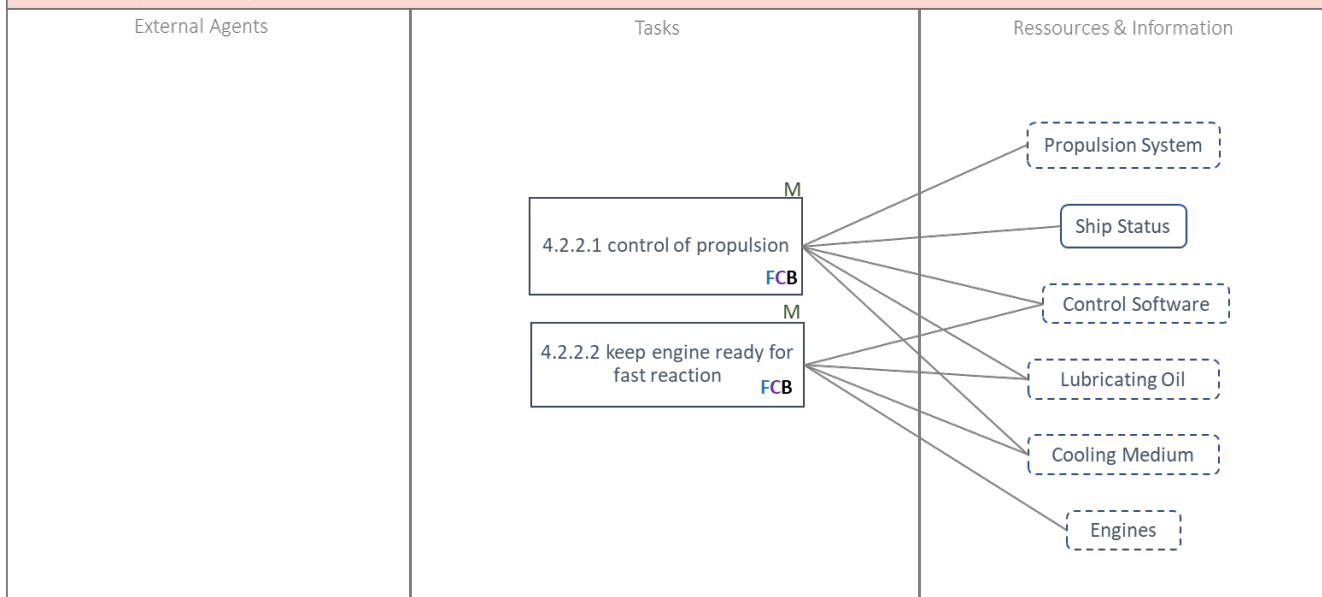
4.2 Control of Ship Performance(Engine Department)

4.2.1 Auxiliary and machinery Systems



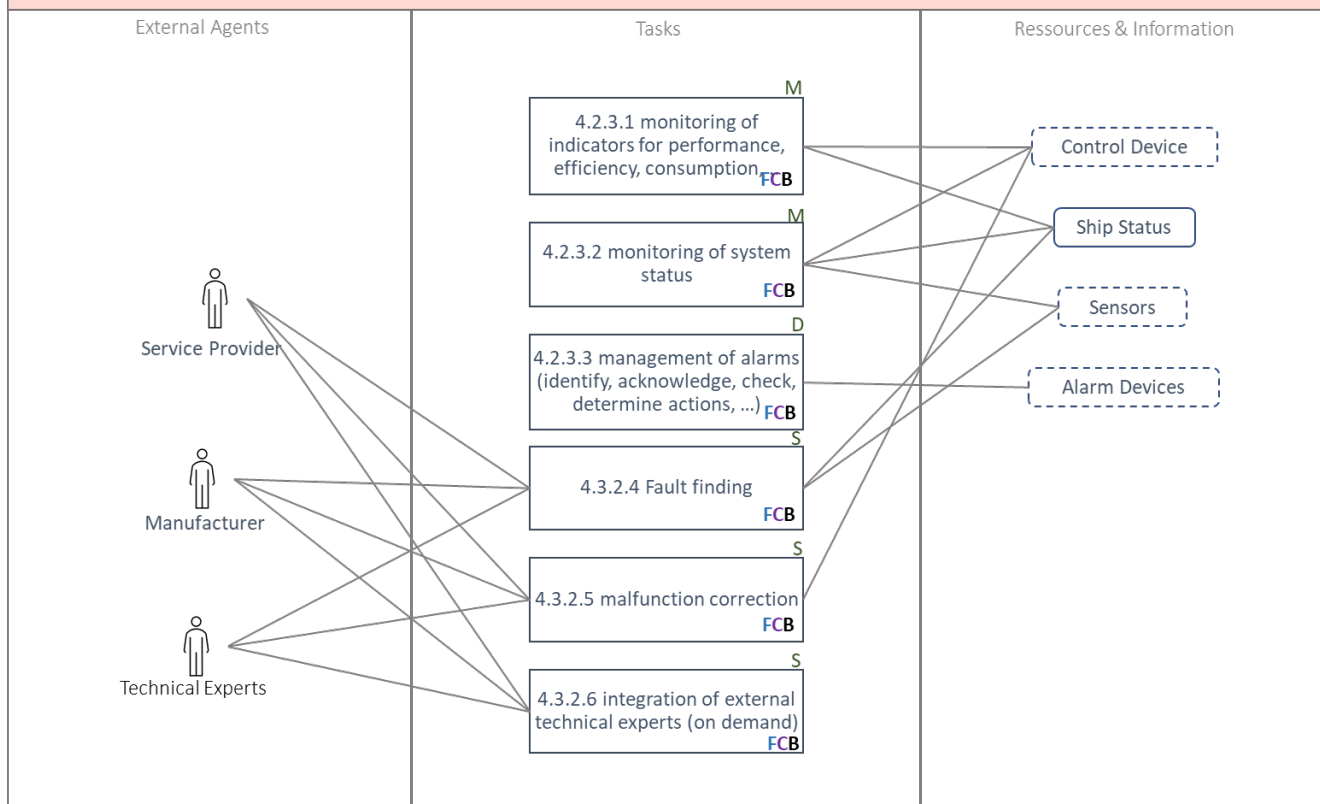
4.2 Control of Ship Performance(Engine Department)

4.2.2 Propulsion systems



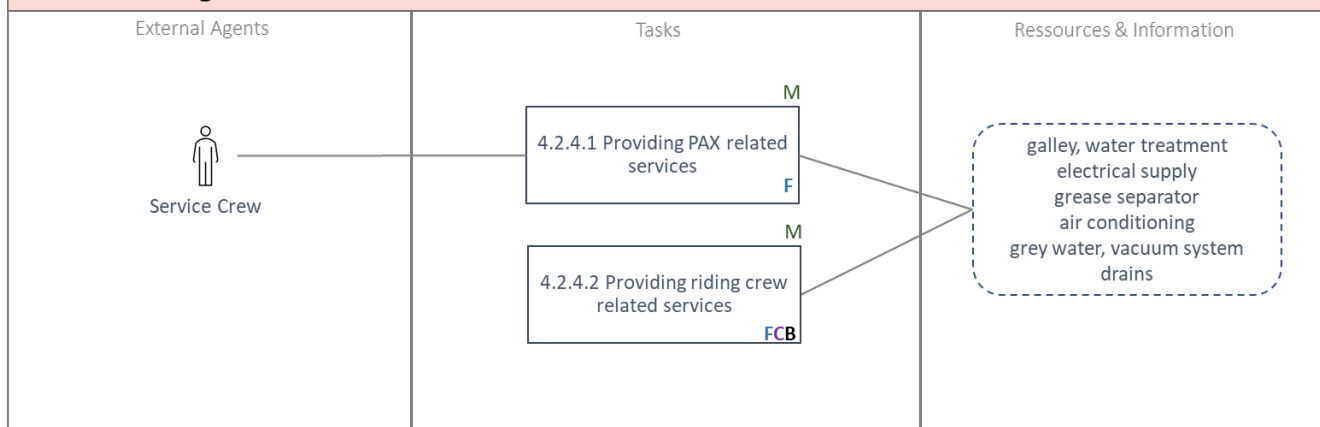
4.2 Control of Ship Performance(Engine Department)

4.2.3 Performance



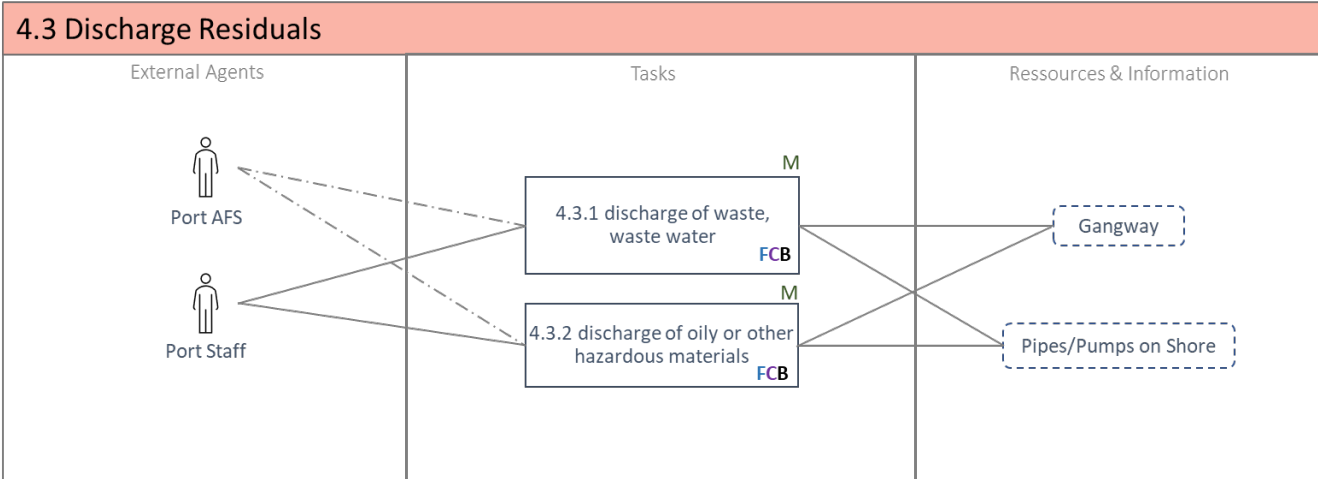
4.2 Control of Ship Performance(Engine Department)

4.2.4 Hotelling



4.3

Discharging residuals

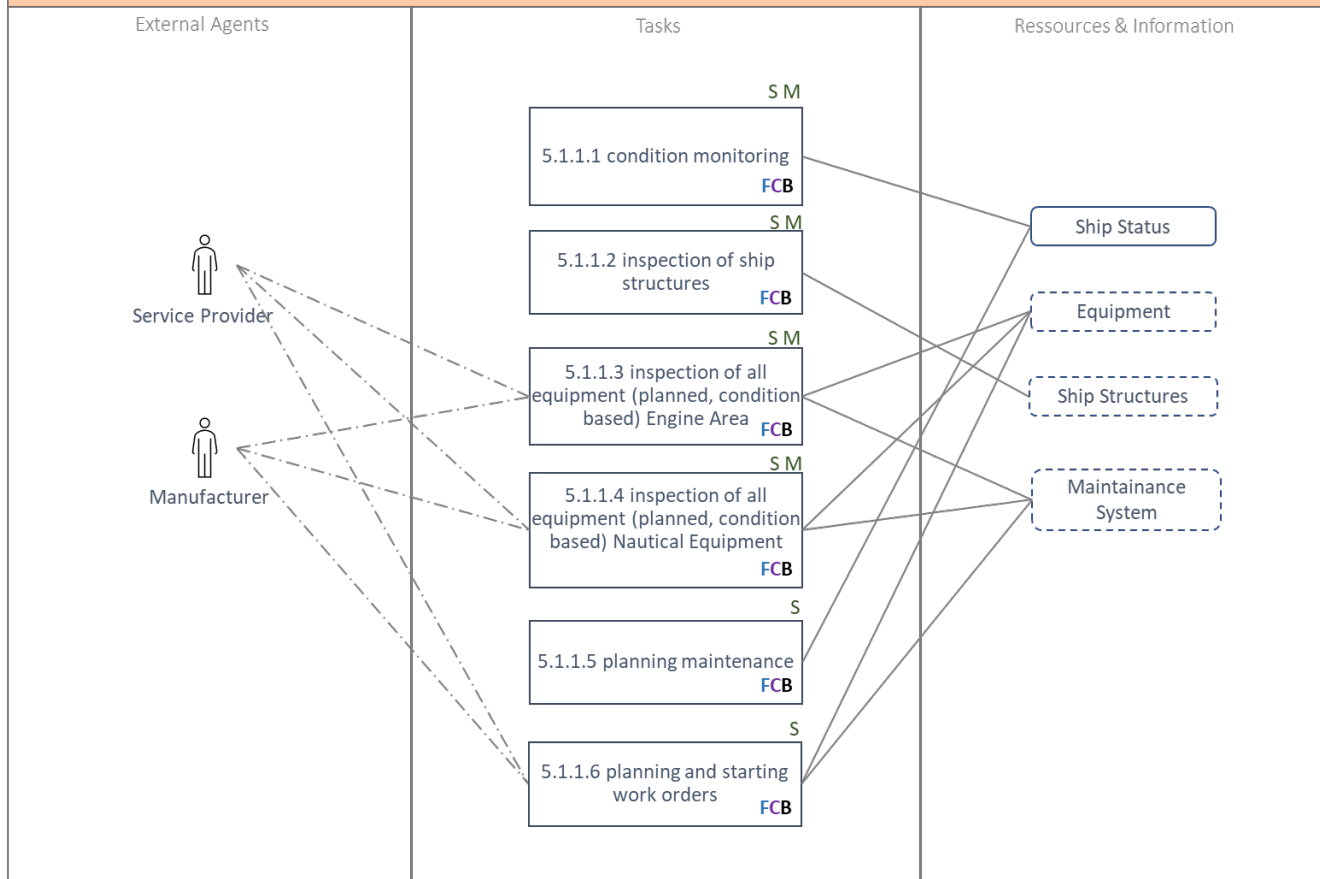


5. Maintenance

5.1 Maintenance in port

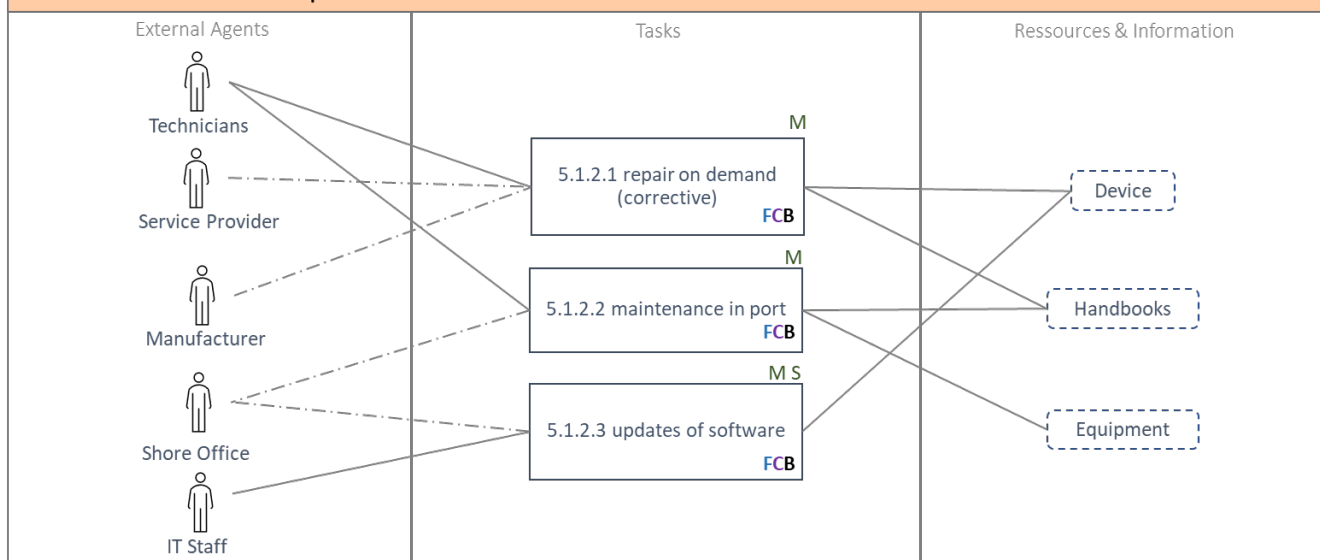
5.1. Maintenance in Port

5.1.1 Maintenance Planning



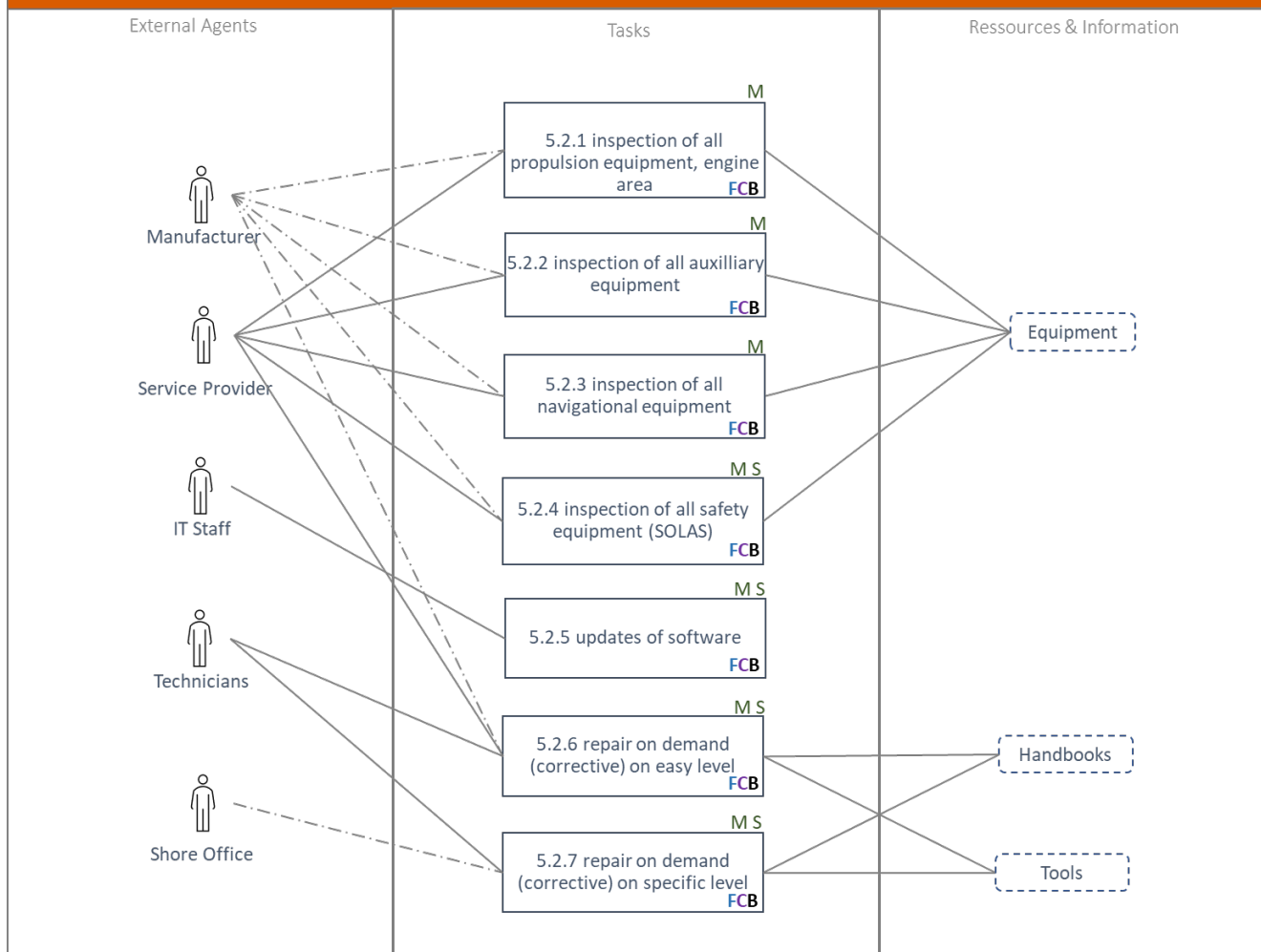
5.1. Maintenance in Port

5.1.2 Overhaul and Repair in Port



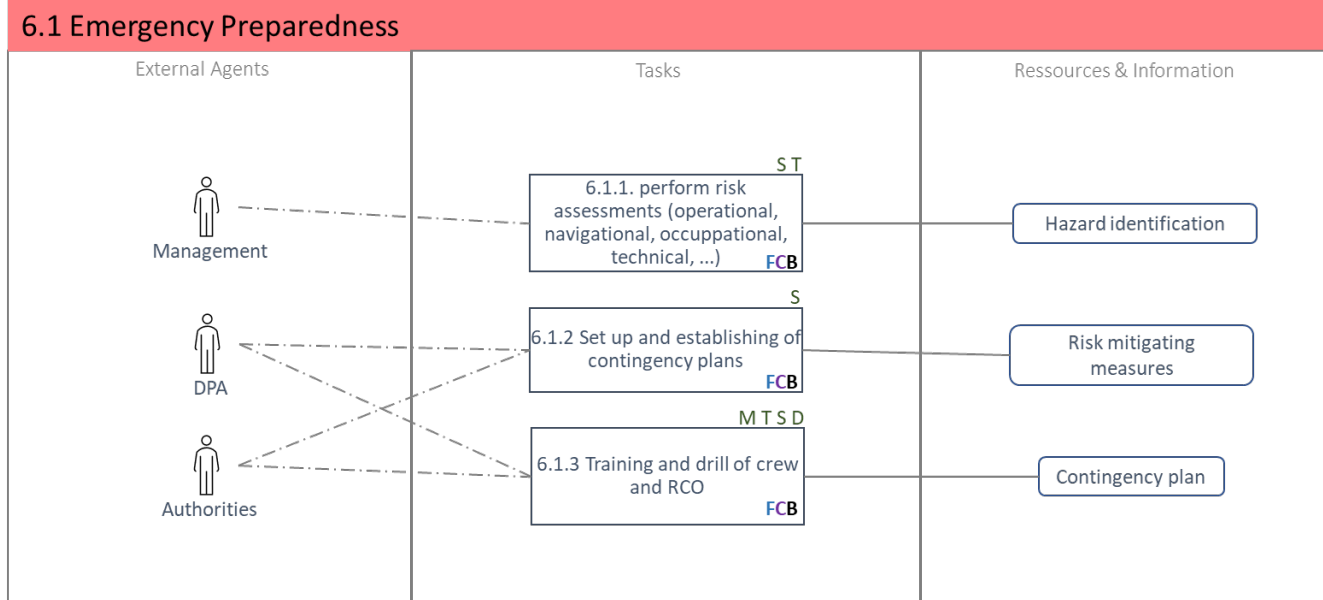
5.2 Maintenance at sea

5.2 Maintenance at Sea



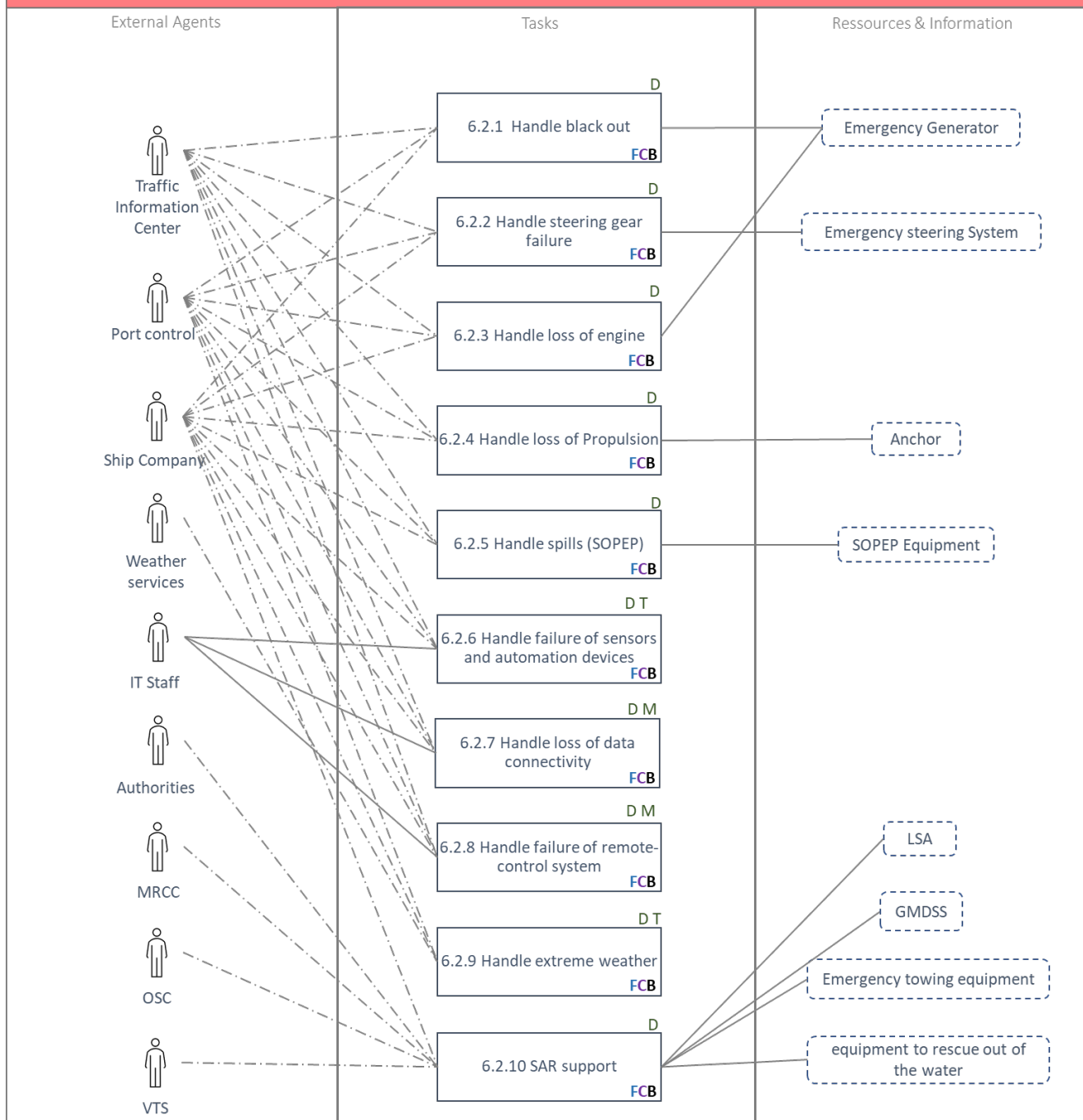
6. Malfunctions & Emergencies

6.1 Emergency preparedness

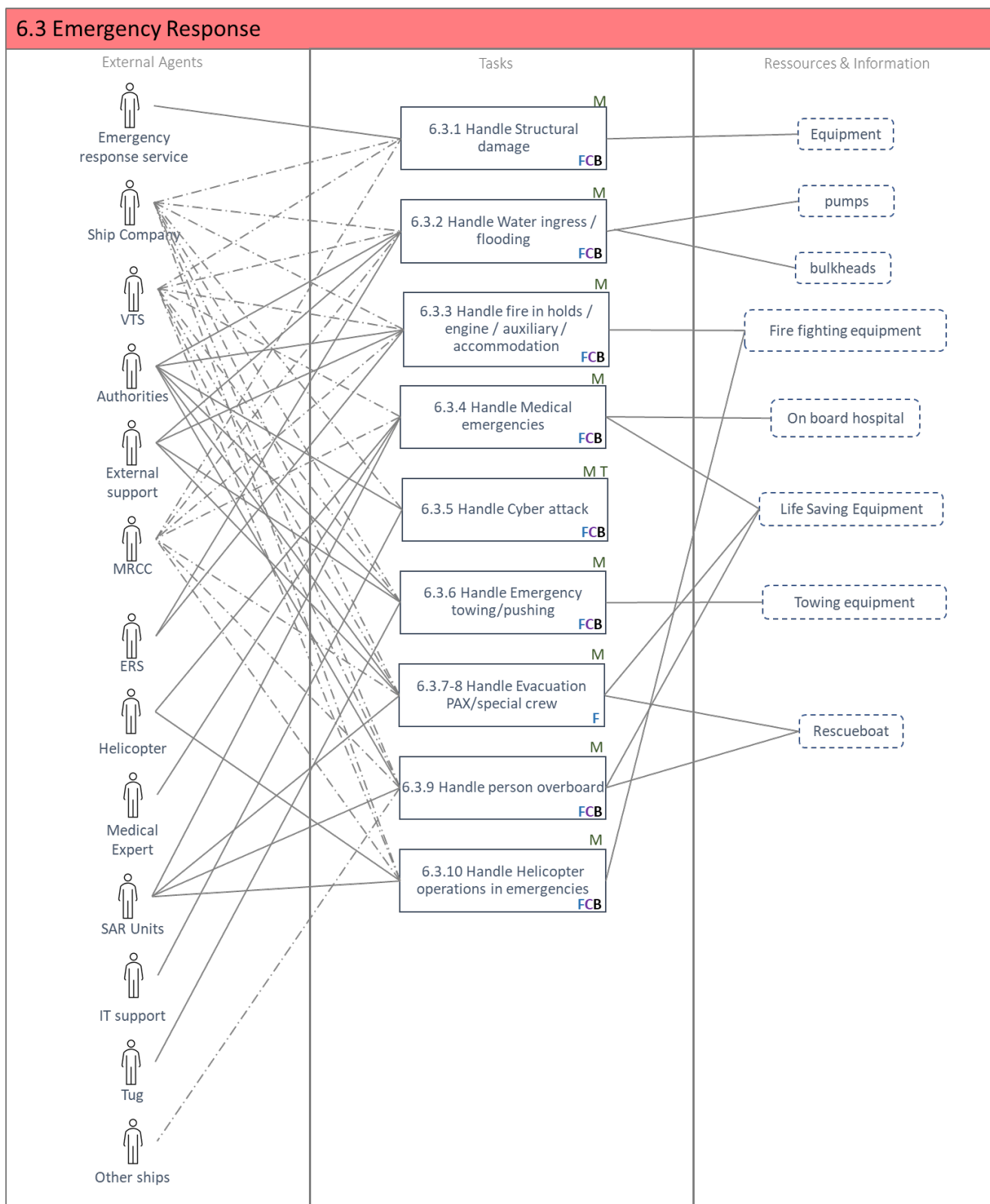


6.2 Malfunction response

6.2 Malfunctions



6.3 Emergency response



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