

digitalPORT@SG™

Just in Time Planning and Coordination Platform

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Just-In-Time Value Proposition

	JIT PBP-PBP	JIT 24	JIT 12
Total CO ₂ saving ² (MT)	19.39 million	8.08 million	5.80 million
Total fuel consumption saving (MT)	6.23 million	2.59 million	1.86 million
Mean fuel consumption saving, on per voyage basis compared to baseline	14.16%	5.90%	4.23%

Source: IMO GIA Study published June 1st 2022

Just in Time Concept for Port of Singapore



Please refer to the following link/scan the above QR code for the video
https://youtu.be/SyS XK_rB4B8

Just In Time Planning and Coordination Platform

Adopting a **customer service journey** perspective to optimise the port stay for ships that call at the Port of Singapore.

Monitoring of Vessel Arrival

The JIT platform will inform ship agents if there are changes to the vessel arrival time. This is for the ship agents to **make changes** to the itinerary if necessary. If there are no changes to the arrival time, the ship agents will **confirm the itinerary**.



Departure of Vessel

The **Estimated Time of Unberthing** will be shared with all stakeholders to ensure timely departure of vessel.

The **Estimated Time of Departure** will be captured upon disembarkation of the pilot from the vessel.



Berth Planning

Ship agents are required to **submit berth applications** to the terminals for **planning** and **clearance**. The terminals will provide the **Estimated Time of Berthing (ETB)** in advance through the JIT Platform.



Itinerary Planning for Port Stay

The ETB information will be sent to all stakeholders attending to the vessel through the JIT platform.

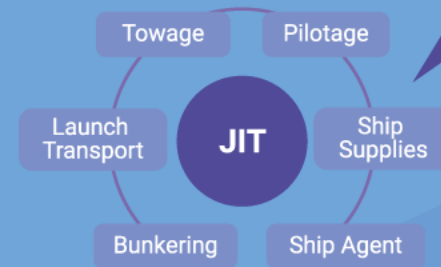
Government authorities and marine service providers can use the ETB to **plan** and **deploy resources** accordingly.



Planning & Coordination of Vessel Activities

The JIT platform facilitates direct berthing on arrivals and on-time departures to **enhance ship turnaround time** as well as to **reduce dwell time** at anchorages.

All vessel activities will be **captured in real time** on the JIT platform with the corresponding activity timestamps.

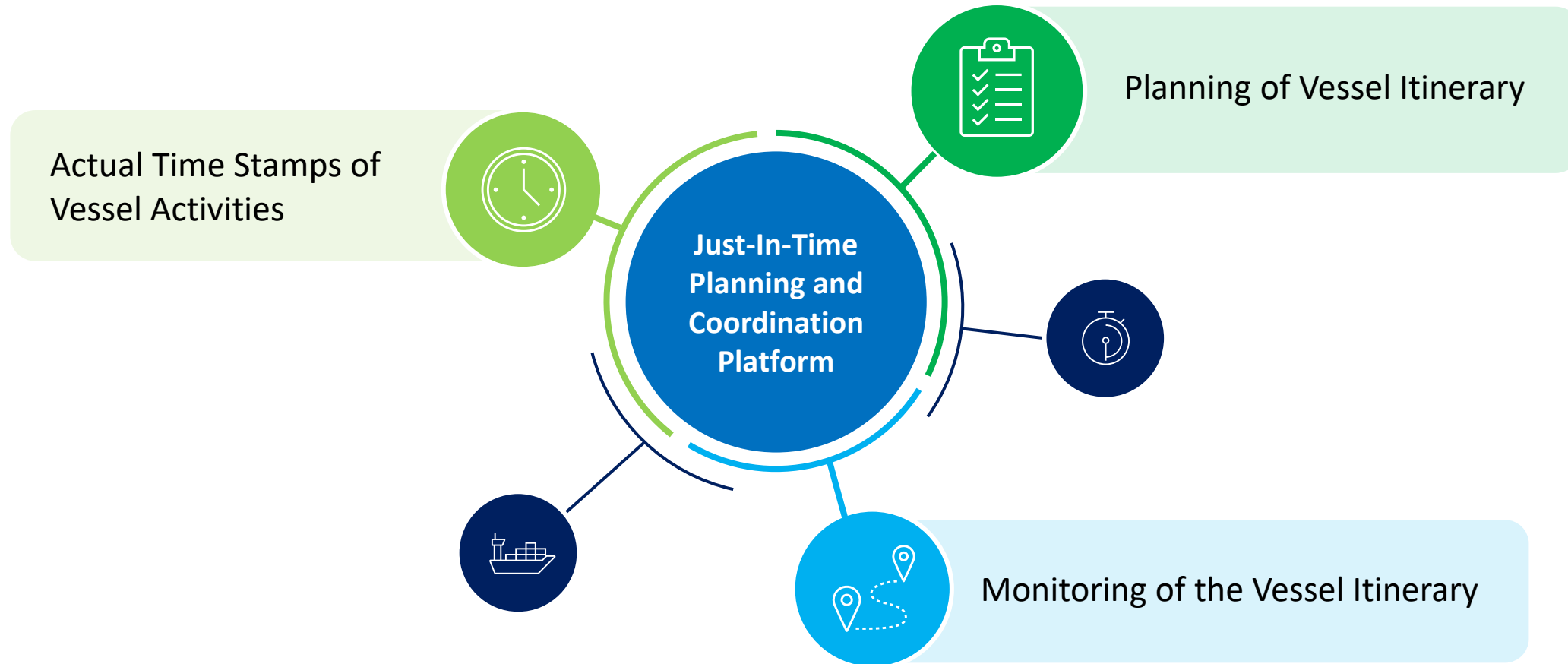


Examples of Interfacing Systems

- digitalPORT@SG™ (Single Window Port Clearance)
- digitalBunker@SG
- LT Connect
- Portnet
- JP-Online
- as well as any digital-ready platform of marine service providers through APIs!

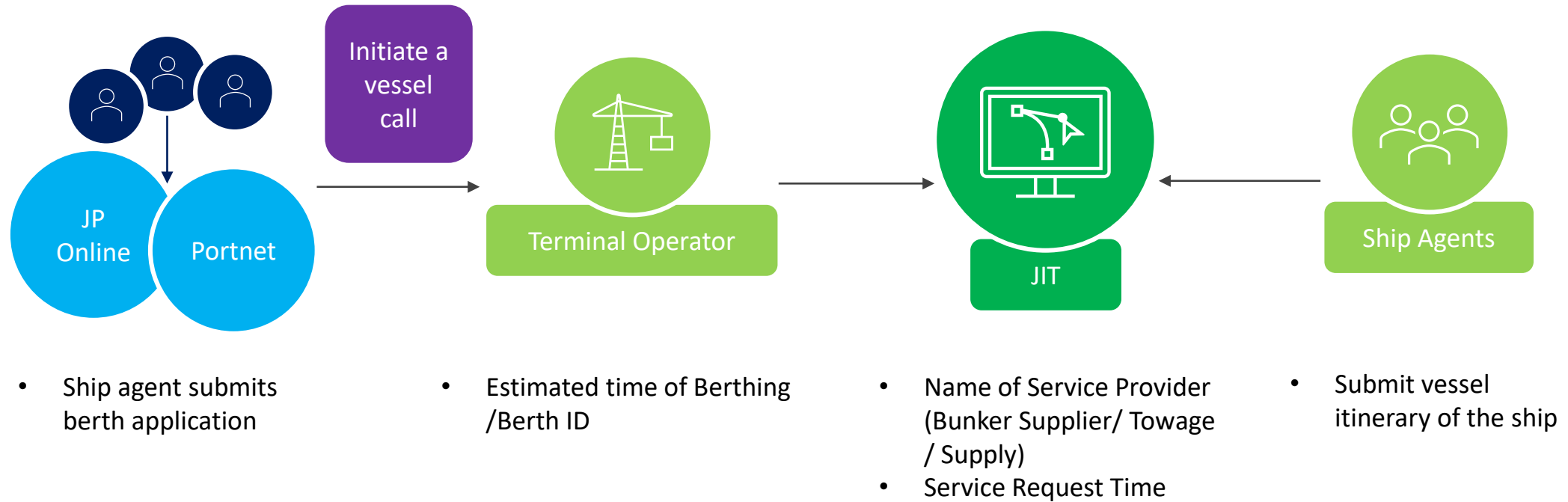
Information Sharing among Stakeholders

Just-In-Time Planning and Coordination Platform

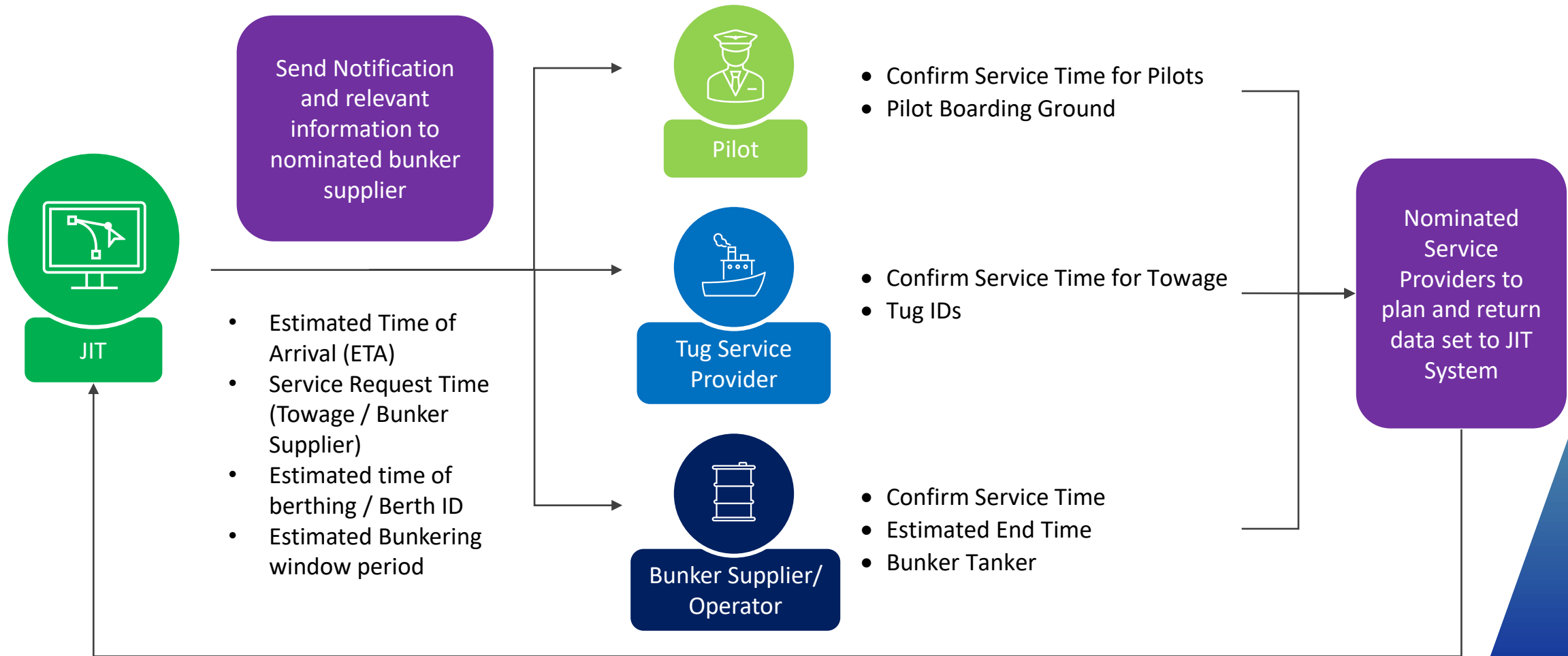


Berth Planning (up to weeks before arrival)

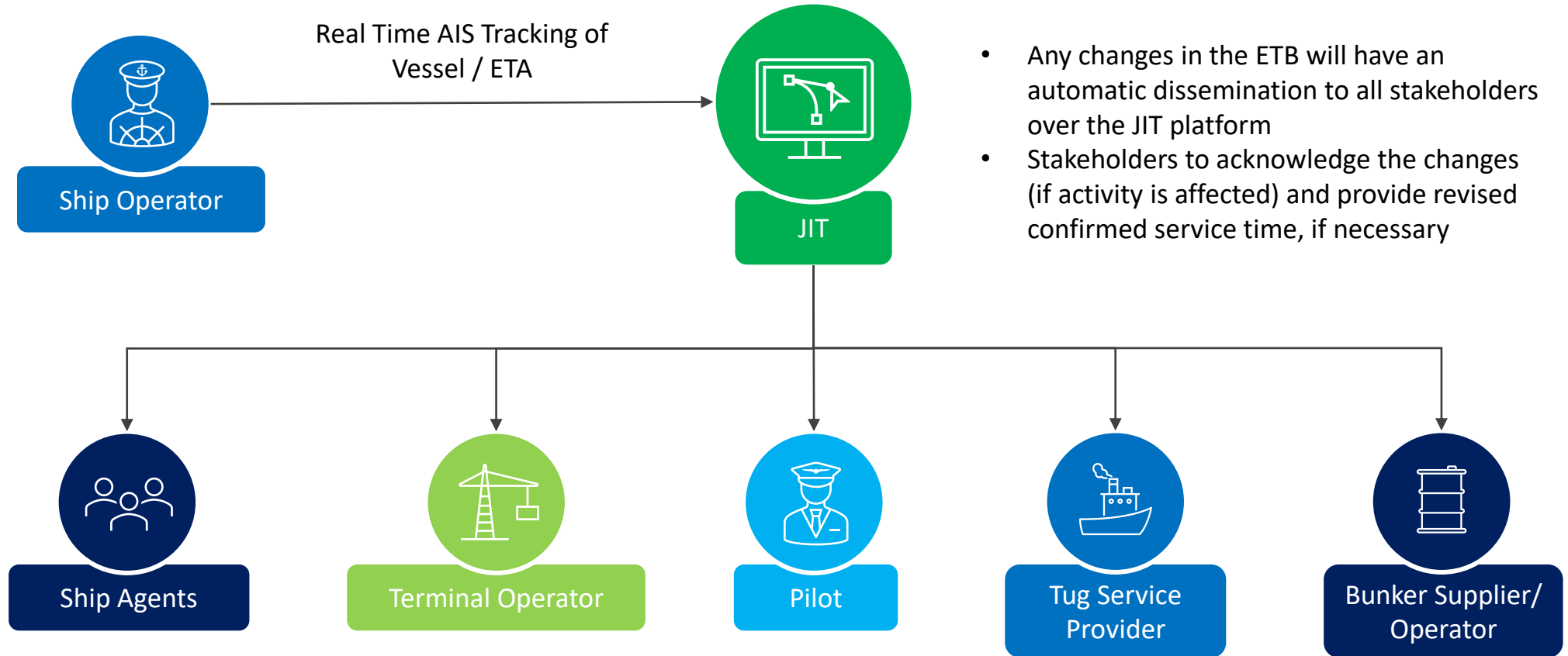
Planning of Itinerary of the Ship Port Stay (up to 72 hours prior to ship arrival)



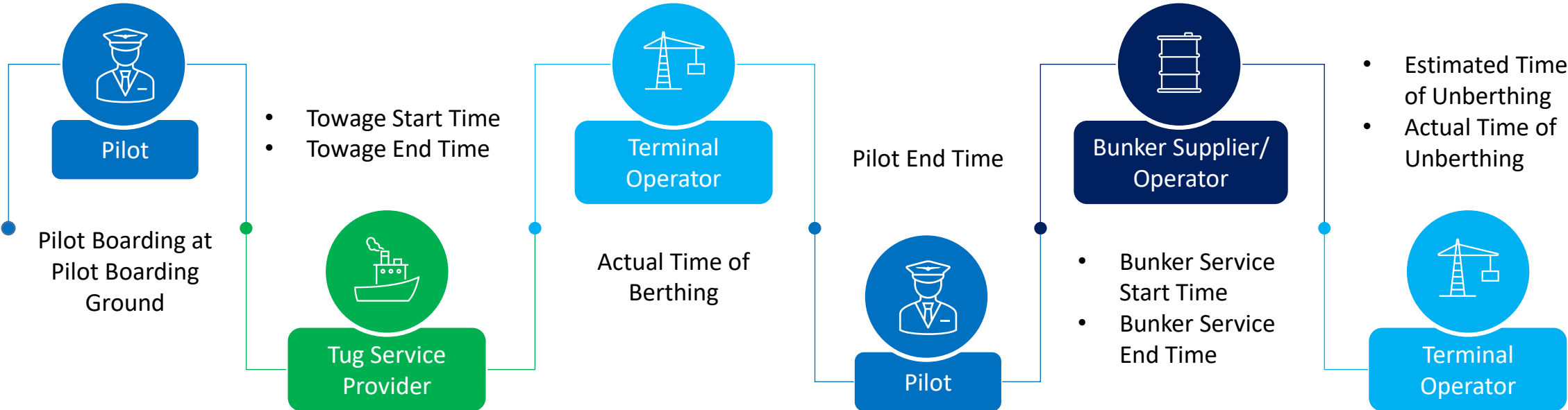
Planning of Itinerary of the Ship Port Stay (up to 72 hours prior to ship arrival)



Monitoring of Itinerary of the Ship Port Stay (between 48 hours prior to ship ETA/ETB)



Actual Time Stamps of Ship Activities in Port





For Information