

CREATION OF NATIONAL SINGLE PORTAL FOR PRE ARRIVAL NOTIFICATION.

1. Date of Constitution of subgroup:

Feb 2023

2. Members of the subgroup:

- Additional DG (Shipping) - Convener
- Capt Nitin Mukesh, Dy NA, DG Shipping Shri Manoranjan Gupta, IPA
- Shri Anil Devli, CEO INSA
- Member from CDAC
- Commandant Harshvardhan, Indian NAVY
- Shri Pankaj Verma, DIG ICG

3. Terms of reference for each subgroup:

To prepare Road Map for Pre arrival Notification

4. Dates of meetings of subgroup:

Internal discussion with Members of the subgroup happened on 03rd July 2025

5. Gist of discussions in each subgroup meeting date wise :

No meeting conducted

6. Roadmap of implementation of each of the recommendation under the subheading:

Pre Arrival Notifications (PANS): PANS refers to a mandatory communication submitted by a vessel before its arrival at a port, specifically intended to provide security-related information. Its primary purpose is to allow port and national maritime security authorities to assess potential risks posed by an incoming ship and prepare appropriate preventive and protective measures in line with the International Ship and Port Facility Security (ISPS) Code

A meeting was convened via video conference on 03 July 2025 to discuss the development of a National Single Portal for the Pre-Arrival Notification System (PANS). The primary objective was to deliberate on the structure and implementation of this unified portal, which aims to streamline and standardize the pre-arrival notification process across all concerned stakeholders.

The meeting was chaired by **Sushil Mansing Khopde**, Additional DG (Shipping)
The following officials participated in the discussions:

- Capt Nitin Mukesh, Deputy Nautical Advisor -cum Senior DDG (Tech)

- Shri Manoranjan Gupta, Chief Product officer, Portall
- Shri Anil Devli, CEO, Indian National Shipowners' Association (INSA)
- Representative from the Indian Ports Association (IPA)
- Representative from CDAC
- Commandant Harshvardhan, Indian Navy
- Shri Pankaj Verma, Deputy Inspector General, Indian Coast Guard (ICG)

DG Shipping is the right authority who should maintain a collective database with respects to Pre-Arrival Notification (PANS). In this view it is proposed to develop a centralized, web-based Pre-Arrival Notification (PAN) system Sagar Sethu NLP-Marine. This system will facilitate ISPS Code security compliance, improve maritime situational awareness, and strengthen coordinated data transfer to ports and other agencies for national preparedness against emerging maritime threats.

In addition to supporting security oversight, the proposed portal will also act as a comprehensive data repository, providing valuable insights and analytics on:

- Type and number of vessels visiting Indian ports
- Nature and volume of cargo being transported
- Segmentation of cargo under EXIM (export-import) and coastal movement
- Level of participation of Indian-flagged vessels across cargo and route categories

2. Purpose and Objectives

The proposed initiative aims to establish a comprehensive digital platform for submission and monitoring of security-related information by ships intending to call at Indian ports. Key objectives of the system are:

- Enhance maritime security compliance through streamlined submission and verification of ship-related data, 96 hours prior to port arrival.
- Facilitate integration of all major and minor ports in India into a single digital system to ensure real-time data sharing and security coordination.
- Create a centralized maritime data repository for improved planning, policy formulation, and strategic decision-making.
- Support international obligations under the SOLAS Convention and ISPS Code by maintaining a verifiable and transparent process for maritime security management.

Feature	PANS
Objective	Security-focused: advance notification for ship security compliance before entering Indian ports
Legal Basis	ISPS Code under SOLAS Convention

3. Proposed System Framework

3.1 Web Portal Development

The PAN system will be hosted on a secure web portal developed and maintained by IPA. It will allow all incoming vessels to submit mandatory pre-arrival information electronically, 96 hours before their Estimated Time of Arrival (ETA) at any Indian port.

Key data fields may include:

- Vessel particulars (IMO number, flag, ownership)
- Voyage details and previous ports of call
- Crew and passenger information
- Cargo description (type, volume, hazardous nature if any)
- Security level and ISPS compliance status

3.2 Port Integration

All major and minor ports whether governed by Port Trusts, State Maritime Boards, or private entities will be onboarded onto the PAN platform. The portal will enable:

- Real-time coordination with Port Facility Security Officers (PFSOs)
- Interface with Customs, Immigration, and Coast Guard systems
- Immediate alerts and action in case of flagged vessels or suspicious cargo

3.3 Data Consolidation and Analytics

Beyond security functions, the platform will serve as a national maritime data repository. It will provide granular and consolidated information on:

- Number and types of vessels calling Indian ports
- Distribution of traffic between EXIM and coastal segments
- Types and volume of cargo handled
- Participation rates of Indian-flagged vessels in various cargo and route categories

This structured data will be made available to relevant stakeholders (DG Shipping, MoPSW, Customs, Intelligence agencies, etc.) to support long-term policy and operational goals.

4. Strategic Benefits

The implementation of the PAN portal offers several tangible benefits:

4.1 Strengthened Maritime Security

The pre-arrival submission mechanism ensures proactive risk assessment and early threat identification, enhancing India's capacity to respond to security challenges in its maritime zones.

4.2 Unified National Maritime Database

A single-window system for data collection and analysis will eliminate redundancy, reduce administrative burden, and provide a reliable source of truth for maritime logistics and planning.

4.3 Improved Compliance with International Norms

A digitalized, time-bound submission system reinforces India's compliance with SOLAS and ISPS Code, demonstrating its commitment to global maritime safety standards.

4.4 Enhanced Indian Flag Participation Monitoring

The portal will enable monitoring of Indian ship participation across sectors, which is crucial for domestic fleet development, subsidy planning, and national tonnage enhancement strategies.

5. Way Forward

To realize this initiative, the following steps are proposed:

- Technical scoping and portal design by IPA or designated agency
- Stakeholder consultations with major/minor ports, customs, and security agencies
- Phased onboarding of ports, starting with major ports and expanding to others
- Pilot testing and refinement based on operational feedback
- Full-scale implementation and training workshops for users and port authorities

Covered Entities:

Entity Type	PANS
Passenger Ships	✓
Cargo Ships (≥300 GT)	✓
Mobile Offshore Drilling Units	✓
Yachts & Sailing Vessels	✓

Security-Focused Fields in PANS:

- ISPS Certificate (validity, authority, expiry)
- Ship Security Plan existence
- 10 recent port calls with security levels
- Additional security measures taken
- Ship-to-ship activity details
- Security level during transit
- Reporting of armed guards or security matters

Digital & Admin Features:

Feature	PANS
Submission Portal	Sagar Sethu NLP (under development)
Authority	Navy, Coast Guard, Customs, Port Security Officer
Scope	Security regulation compliance

Conclusion

The creation of a National Single Portal for Pre-Arrival Notification (PAN) marks a critical advancement in India's maritime security and port management infrastructure. By digitizing and centralizing the submission and monitoring of vessel-related security data, this initiative will ensure streamlined compliance with international norms such as the ISPS Code under the SOLAS Convention. The proposed "Sagar Sethu NLP – Marine" platform will not only bolster early threat detection and inter-agency coordination but also serve as a strategic maritime data hub, enabling better planning, analytics, and policy decisions. Through coordinated stakeholder engagement, phased implementation, and robust data integration, the PAN system will strengthen national maritime readiness, support

seamless port operations, and reaffirm India's commitment to safe, secure, and efficient seaborne trade.

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