

# SAFETY AND SECURITY OF THE WATERWAYS IN NIGERIA.

*DELIVERED BY*

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# INTRODUCTION.

- ▶ The application of safety and Security management in today's maritime and Inland Waterways operations and administration has gone beyond the traditionally manual systems.
- ▶ On daily bases, new improved techniques, applications and gadgets are developed to meet up with the need for efficient and effective administration of safety and Security on the Waterways.
- ▶ The satellite communication technology remains the main backbone of application and deployment of modern safety management devices.
- ▶ However this paper will consider the operational concept of safety and security, with particular emphasis on the five pillars of safety and security management.

# The Four Pillars of Safety and Security Management.

- ▶ Safety Management is build on four (4) pillars of:
  - 1. Philosophy
  - 2. Policy
  - 3. Procedure and
  - 4. Practice.

# Philosophy.

- ▶ Philosophy –
- ▶ Safety management starts with Management Philosophy:
- ▶ These philosophies includes,
- ▶ ■ recognizing that there will always be threats to safety;
- ▶ ■ setting the organization's standards; and
- ▶ ■ confirming that safety is everyone's responsibility.

# POLICY.

- ▶ Specifying how safety will be achieved:
- ▶ These includes,
  - ▶ ■ clear statements of responsibility, authority, and accountability;
  - ▶ ■ development of organizational processes and structures to incorporate safety goals into every aspect of the operation;
  - ▶ ■ development of the skills and knowledge necessary to do the job.

# PROCEDURES.

- ▶ Procedures includes–
- ▶ What management wants people to do to execute the policy; such as:
  - ▶ ■ clear direction to all staff;
  - ▶ ■ means for planning, organizing, and controlling; and
  - ▶ ■ means for monitoring and assessing safety status and processes.

# PRACTICES.

- ▶ Practices entails–
- ▶ What really happens on the job:
- ▶ ■ following well designed, effective procedures;
- ▶ ■ avoiding the shortcuts that can detract from safety; and
- ▶ ■ taking appropriate action when a safety concern is identified

# WATERWAYS SAFETY AND SECURITY MANAGEMENT SYSTEMS.

- ▶ In the Waterways sector, Safety and Security management systems are broadly categorized into:
  - 1. Vessel Safety and Security management system.
  - 2. Port or Terminal safety and Security management system.
  - 3. Cargo and passenger safety and Security management system and
  - 4. Navigation / Channel safety and Security management system.



# METHODS OF ENHANCING SAFETY AND SECURITY ON THE WATERWAYS.

- ▶ **EFFECTIVE INTERMODAL CONNECTIVITY.**
- ▶ The first consideration for enhancing safety on the Waterways is to ensure that there is a functional connectivity between the Waterways mode of Transport and other modes such as the Road and Rail transport.
- ▶ Without effective connectivity of the Waterways to Land and Sea Transport, it will become apparent that the Waterways will operate independently, which could negate its fortune for participation in real world Logistics and render the waterways inefficient in all ramifications.

# APPLICATION OF MODERN I T AND COMMUNICATION SYSTEMS.

- ▶ The bases of every Safety and Security coordination and control lies largely on the method employed for Information processing and transmission.
- ▶ It is apparently clear that without modern gadgets and devices like the Satellite systems, GIS devices and mobile aided communication equipment, essential safety and security procedures done by locators, trackers, surveillance and routine monitoring of activities on the Waterways becomes impossible.
- ▶ It is therefore necessary that up-to-date I T and Communication systems must be deployed to enhance the effectiveness of Safety and Security management along the Waterways.

# EFFECTIVE PATROL, SURVEILLANCE AND LAW ENFORCEMENT.

- ▶ To enhance Safety and Security on the Waterways, the triple exercise of Surveillance, Patrol and Law enforcement must be religiously implemented on routine basis to effectively identify, control and deter all forms of safety and security lapses on the Waterways.
- ▶ On land, on Water and even aerial surveillance and patrol systems must be deployed for effective enforcement of safety and security standards on Waterways.

# **COLLABORATION AMONGST GOVERNMENT, BUSINESS AND LAW ENFORCEMENT.**

- ▶ **The responsibility for ensuring Safety and Security is everyone's business.**
- ▶ **Therefore collaborative efforts are always desirable to jointly take responsibility for enhanced Safety on the Waterways.**
- ▶ **The Government is expected to develop policies and guidelines for operations and to ensure the security of all.**
- ▶ **Businesses are required to play according to the rules of the game as stipulated by the government.**
- ▶ **While Law enforcement Agencies are expected to ensure that the game is played according to the rules, by administering compliance measures.**

## OPERATION OF DESIGNATED TRANSIT PARK FACILITIES.

- ▶ As an important nodal point for Transportation and Logistics, the role of the transit park or transit terminal in facilitating secured transit service transaction cannot be wished away.
- ▶ Well secured transit parks and terminal facilities provides a safer and secured resting ground for goods and passengers on transit.
- ▶ A well developed transit park system caters for the Carriers, the goods and/or passengers carried as well as the operators of the transport service

## OPERATION AND MANAGEMENT OF BONDED TERMINAL FACILITIES.

- ▶ Goods on transit are article of trade that assume their real value only at the point of delivery.
- ▶ It is therefore apparent that all goods on transit remains bonded, sealed, un-tempered and delivered with the same integrity as on the origin of the voyage.
- ▶ In this regard all transit terminals particularly those handling import and export cargo must of necessity be provided with full compliments of facilities, equipment and personnel for the bonding of cargo.
- ▶ This includes Customs and Excise, Standard enforcement and Quarantine services, to be effectively provided at the Transit, Warehouse or Storage areas.

## PROVISION OF EFFECTIVE MEDIUM FOR INFORMATION SHARING AND FEEDBACK MECHANISM ON THE WATERWAYS.

- ▶ **For effective administration of Safety and Security on the Waterways, information sharing is vital for the assessment of risks and vulnerability parameters.**
- ▶ **It is therefore apparent that all those concerned with the responsibility for administration of safety and Security of the Waterways and its associated transit operations must recognize the role of each other and consistently share information regarding the Safety and Security status at any point in time.**
- ▶ **Through information sharing, effective coordination mechanisms can be built, while adequate measures can be taken to avert security lapses, threats and vulnerabilities.**
- ▶ **At the same time useful feedback mechanisms can be established to constantly review situations.**

# IN CONCLUSION.

- ▶ From the foregoing it can be deduced that the Safety and Security of Transportation and Logistics on the Waterways is not a stand-alone phenomena. It cuts across all the modes of transportation and also requires the attention, concern and contribution of every mode of transport connected to waterways.
- ▶ Apparently Safety and Security of Waterways Transportation can only be enhanced through joint involvement of other modes of Transport as well as the Joint involvement and contribution of all stakeholders in the Transportation and Logistics value chain.





▶ **THANK YOU**  
▶ **FOR YOUR**  
▶ **ATTENTION.**