

Take and maintain Control Coastal, Riverine, Harbour areas

A Vision of

Extreme Littoral Operations

Brief HSBO 2012 by Stefan Gustafsson

Presence, Ability, Action



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*Next to God
a nations welfare
relies on it's
Navy*

*Gustavus Adolphus
King of Sweden 1611-1632*

Stefan Gustafsson



CO Combat Craft Units,
CO Marine Academy for ASW and Navigational training,
CO Marine Battalion, World Class Canoeist



CO 4th Marine Regiment



US Naval Command College



Head of Strategy Swe Armed Forces,
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Consultant Business Strategist, Maritime Security Specialist



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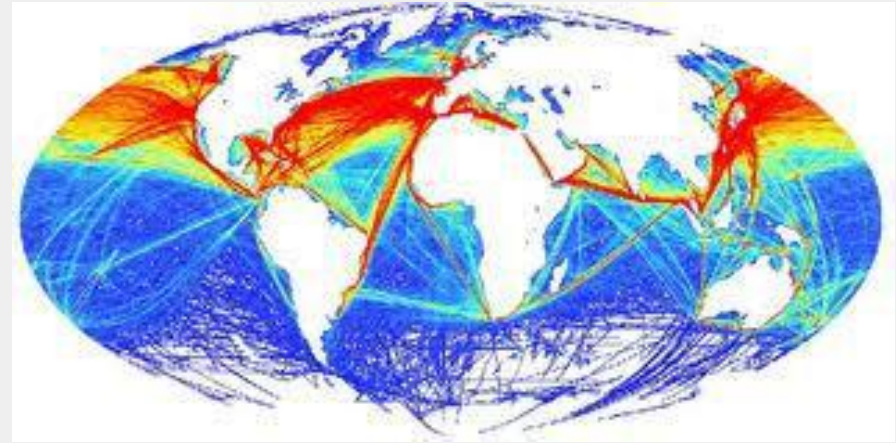


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Control and Awareness in the Littoral

- **Complex Environment**
 - *Easy to hide, difficult to detect*
- **Heavy Sea Traffic**
 - *Merchant ship, ferries,*
 - *pleasure boats, fishing.....*
- **Sea and Land - Limited Space;**
 - *On- and Under surface and on shore*
- **Broad spectra of threats**
 - *Crime, Terrorism,*
 - *Smuggling,*
 - *Accidents, Environmental*
- **Many authorities and other stakeholders involved**
- **Short reaction times**



The Extreme Littorals

Definition



Experiences of operating in the extreme littorals

- The factor of time: Necessity of presences with ability to full combat all dimensional actions
- The factor of force: Highly integrated and dimensional tailormade taskgroups
- The factor of space: Land and sea close to the coast under the same command an operational responsibility
- Real time all dimensional combat coordination
- The need of being autonomus
- Delegation of ROE
- Planning and analysis tools
- System-configuration constructed for use in shallow waters
- Need for stealth
- Good practical and theoretical training

Extreme Littoral Maritime Security Operations Requires:

- **Well trained concept of operation**
- **Purpose driven Modularity**
- **3D surveillance, detection and interdiction capability**
- **Distributed flexible C2 systems**
- **Secured rugged communication**
- **Flexible use of resources – and if necessary of force**

High Speed Crafts for different purposes:

- **Covering a wide range of purposes**
- **Safe, Seaworthy, light, small, flexible, modular**
- **Small wakes, high safety onboard**
- **Easy to handle**
- **Rugged, simple and precise navigational systems**
- **Very well trained crews**
- **Specific method's for navigation and driving**
- **Specific method's for training**



Combat
Crafts,
Fast
landing
crafts



Combat Craft 90



Archipelago and Harbour Patrol Crafts





Small Transport Crafts





Logisitc- and Command vessels



Wolf Pack Stiletto – Example of the future The Fast – The Small – The Many

- Command & Control of networked-enabled forces, geographically dispersed
- Coordinate large numbers of autonomous & semi-autonomous assets and Sensors
- **Total system approach** – Architectural relationships – *rules for how things fit together*





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**Stefan Gustafsson,
Maritime Security Specialist**

Providing expertise in:

- **Maritime Security, at all levels**
- **System Requirements and Design**
- **Operational Control and Op Concepts**
- **High Speed Boat operations and development**
- **Training and education, basic and advanced**

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