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Netherlands Annual Review of Military Studies

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Coastal Border Control: From Data and Tasks to Deployment and Law Enforcement
Foreword

Today’s world harbours a huge and fast-growing population, generating an increasing demand for food and goods. The changing climate, with progressing desertification and rising sea levels, leads to mass migration and a continuous race for natural resources. Mankind is increasingly relying on the maritime domain to alleviate its challenges and to provide cheaper alternatives for land-based variants. The question is whether the maritime environment is resilient enough to facilitate this increasing demand in a sustainable way. On a global scale, maritime professionals are working on a number of challenges, such as the increase of legal and illegal users, more offshore activities and traffic, bigger transport volumes, non-sustainable fishing and other undesirable activity like mass migration. All of these together lead to both environmental and safety concerns.

On land, State boundaries are regulated by technical means and legal agreements to an extent that they provide a feeling that governments and international institutions are ‘in control’. At sea, maritime and coast guard professionals aspire to have the same level of control in the worldwide maritime domain. Unfortunately, the maritime domain, due to its nature and size, its physical characteristics and ensuing technological limitations, along with specific international laws, presents coast guard professionals with more complex challenges. These professionals are therefore continuously on the lookout for new and other means that will allow them to gain sufficient maritime domain awareness to be ‘in control’. The question remains whether their efforts and progress are enough to provide ‘timely and sufficient control’ whilst dealing with the aforementioned challenges. New technologies, both static and mobile, provide a solution here and there, but in general they are still not enough.

In addition to scientific and technological innovations and the sufficient funding of a wide range of scientific disciplines, there is a need for an increased focus on the maritime domain. Legal experts, maritime safety- and security professionals, government policy makers and the private sector alike should expedite their efforts to face and deal with the increasing demand on the maritime domain and to contain unwanted activity.
This book provides a comprehensive study of border control. It will provide new insights and stimulate efforts that will be of help to professionals affiliated to the maritime domain and border control.

Den Helder, The Netherlands

Capt. (N) Msc. R.J. Blok
Director—Netherlands Coast Guard
Preface

**NL ARMS 2018** has set out to combine a number of academic disciplines in order to provide a comprehensive view with regard to coastal border control. As a general topic of interest, border control and regulation have received more and more attention over recent years. The EU faces challenges in the form of the migrant crisis in the Mediterranean Sea, and States struggle with the approach to modern-day border security. Even though coastal border control is largely seen as a purely national issue and possibly one for coast guard or police-like entities, military assets and technology are able to play an increasing role in addressing this crisis, and there are a number of military operations activated to help States secure their borders.

The theme of **NL ARMS 2018** is **Coastal Border Control: From Data and Tasks to Deployment and Law Enforcement**, which immediately mirrors the intent behind this volume of the Netherlands Annual Review of Military Studies. The book aims to interweave articles that stem from the perspective of social sciences and the legal, with contributions that are strongly focused on the technical possibilities of new C2 frameworks, innovative technologies and the use of data. In the various chapters, the authors from the Faculty of Military Sciences of the Netherlands Defence Academy and their colleagues from other institutes provide a coherent insight into the different relevant disciplines that go hand in hand with the evolution of this topic of coastal border control.

The book consists of four parts, largely divided by their discipline and focal point, each of which gives a different but complementary vision on coastal border control. The first part contains four contributions, one of which builds on a case study on the overall developments of border control operations. The second part consists of three contributions that address command and control for difficult and dispersed border control operations. The third part then explores a number of possibilities for the use of game theory, data analysis and simulation in order to improve asset management by navies and coast guards, while the last part delves into the natural scientific aspects of border and port protection.
Through the use of different perspectives, we hope this issue of NL ARMS 2018 provides a broad insight into the challenges arising from the evolution of coastal border control by States. The different chapters focus both on academic theory and on the practical application thereof through deployment and enforcement, adding to the value and use of this book. We hope that you will find it insightful and enjoyable.

The Editing team,

Den Helder, The Netherlands

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