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Editorial Office

F.E.J. de Pee-Vencken MA
Faculty of Military Sciences
Netherlands Defence Academy
P.O. Box 90 002
4800 PA Breda
The Netherlands

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H. Monsuur · J.M. Jansen

F.J. Marchal

Editors

NL ARMS Netherlands Annual Review of Military Studies 2018

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



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Editors

H. Monsuur
Faculty of Military Sciences
Netherlands Defence Academy
Den Helder
The Netherlands

F.J. Marchal
Faculty of Military Sciences
Netherlands Defence Academy
Den Helder
The Netherlands

J.M. Jansen
Faculty of Military Sciences
Netherlands Defence Academy
Den Helder
The Netherlands

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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

Prof. Dr. H. Monsuur

Dr. J.M. Jansen

Lieutenant (sr grade) F.J. Marchal LLM

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About the Contributors

Editors

Prof. Dr. H. Monsuur is professor Military Operations Research at the Faculty of Military Sciences of the Netherlands Defence Academy, Den Helder, The Netherlands.

Dr. J.M. Jansen is associate professor Operational ICT at the Faculty of Military Sciences of the Netherlands Defence Academy, Den Helder, The Netherlands.

Lieutenant sr grade (RNLN) F.J. Marchal, LLM is lecturer in International and Military Law at the Department of War Studies, Netherlands Defence Academy, Den Helder, The Netherlands.

Authors

Dr. A.I. Barros is principal scientist at TNO, The Hague, The Netherlands, and fellow at the Institute for Advanced Study, Amsterdam, The Netherlands

Capt(E) Dr. ir. F. Bolderheij is associate professor Sensor Systems and Integration at the Faculty of Military Sciences of the Netherlands Defence Academy, Den Helder, The Netherlands.

Prof. dr. M.T.I.B. Bollen is professor Civil-Military Interaction at the Faculty of Military Sciences of the Netherlands Defence Academy, Breda, The Netherlands.

Prof. Dr. R.J. Boucherie is professor Stochastic Operations Research, University of Twente, The Netherlands.

H.J. Fitski, MSc is senior programme and project manager at TNO Defence, Safety and Security, The Hague, The Netherlands.

J.P.H. Kalden is CIO and Security Officer at the Netherlands Coast Guard, Den Helder, The Netherlands.

J.P. Kalkman, MSc is Ph.D student Civil-Military Collaboration at the Faculty of Military Sciences of the Netherlands Defence Academy, the Department of Organization Sciences at VU University and the department of Defence, Security and Safety of TNO, Soesterberg, The Netherlands.

Dr. B.M.J.B. Klein Goldewijk is assistant professor International Security Studies at the Department of War Studies, Netherlands Defence Academy, Breda, The Netherlands.

M. Klinik, MSc is Ph.D student Operational ICT at the Faculty of Military Sciences of the Netherlands Defence Academy, The Netherlands, Radboud University Nijmegen, The Netherlands, and TNO, Soesterberg, The Netherlands.

Dr. L. Koene is assistant professor Ballistics and Ammunition at the Faculty of Military Sciences of the Netherlands Defence Academy, Den Helder, The Netherlands.

Lieutenant jr grade (RNLN) A.A. Kool serves as a Naval officer, The Netherlands.

C.M. Laan, MSc is Ph.D student Operations Research at the University of Twente, The Netherlands, Netherlands Defence Academy, The Netherlands, and TNO, The Hague, The Netherlands.

Dr. H. Nikookar is Associate Professor Sensor Systems at the Faculty of Military Sciences of the Netherlands Defence Academy, Den Helder, The Netherlands.

Dr. L. Schlicher is assistant professor Logistics and Information at the Faculty of Military Sciences of the Netherlands Defence Academy, Breda, The Netherlands.

Ir. A.J.M. Schmets is assistant professor Military Engineering at the Faculty of Military Sciences of the Netherlands Defence Academy, Den Helder, The Netherlands.

Dr. J. Stutterheim is quantitative developer at Standard Chartered Bank, Singapore, Singapore.

E.R. van Veldhoven, MSc is research scientist Military Operations at TNO Defence, Safety and Security, The Hague, The Netherlands.

Dr. ir. A.F. Vermeulen is assistant professor Electrical Engineering at the Faculty of Military Sciences of the Netherlands Defence Academy, Den Helder, The Netherlands.

Colonel (RNLAF) Dr. J.E.D. Voetelink, LL.M. is Associate Professor Military Law at the Department of War Studies, Netherlands Defence Academy, Breda, The Netherlands, and a senior researcher at the Amsterdam Centre of International Law (ACIL), The Netherlands.

Dr. E. de Waard is associate professor Strategic Organizing and Change at the Faculty of Military Sciences of the Netherlands Defence Academy, Breda, The Netherlands.