

Domesticating Drones

The technology, law, and economics
of unmanned aircraft

**Henry H. Perritt, Jr. and
Eliot O. Sprague**

First published 2017 by Routledge

2 Park Square, Milton Park, Abingdon, Oxfordshire OX14 4RN
711 Third Avenue, New York, NY 10017

Routledge is an imprint of the Taylor & Francis Group, an Informa business

First issued in paperback 2018

Copyright © 2017 Henry H. Perritt, Jr. and Eliot O. Sprague

The right of Henry H. Perritt, Jr. and Eliot O. Sprague to be identified as authors of this work has been asserted by them in accordance with sections 77 and 78 of the Copyright, Designs and Patents Act 1988.

All rights reserved. No part of this book may be reprinted or reproduced or utilised in any form or by any electronic, mechanical, or other means, now known or hereafter invented, including photocopying and recording, or in any information storage or retrieval system, without permission in writing from the publishers.

Notice:

Product or corporate names may be trademarks or registered trademarks, and are used only for identification and explanation without intent to infringe.

British Library Cataloguing in Publication Data

A catalogue record for this book is available from the British Library

Library of Congress Cataloguing in Publication Data

Names: Perritt, Henry H., author. | Sprague, Eliot O., author.

Title: Domesticating drones : the technology, law and economics of unmanned aircraft / Henry H. Perritt Jr. and Eliot O. Sprague.

Description: Abingdon, Oxon: New York, NY : Routledge, 2016.

Identifiers: LCCN 2016005695 | ISBN 9781472458629 (hardback) |

ISBN 9781315577999 (ebook)

Subjects: LCSH: Drone aircraft. | Aeronautics, Commercial. | Aeronautics, Commercial—Law and legislation.

Classification: LCC TL718.P47 2016 | DDC 338.4/7629133—dc23

LC record available at <http://lcn.loc.gov/2016005695>

ISBN: 978-1-4724-5862-9 (hbk)

ISBN: 978-1-138-61745-2 (pbk)

Typeset in Times New Roman
by Out of House Publishing

Contents

<i>List of figures</i>	vi
<i>List of tables</i>	vii
<i>Preface</i>	ix
<i>Acknowledgments</i>	xv
1 Drones at work and play	1
2 Genesis	39
3 Technologies	65
4 Human factors and labor markets	124
5 Emergency procedures	167
6 Politics	180
7 Regulation around the world	204
8 Regulatory philosophies and constraints in the US	233
9 Allowing only “law-abiding drones”	282
10 Economics	295
11 Starting a drone business	328
12 Grasping the future	354
<i>Glossary</i>	377
<i>Index</i>	395