

1. Record Nr.	UNINA9910830366703321
Autore	Marshall Douglas M. <1947->
Titolo	UAS integration into civil airspace : policy, regulations and strategy / / Douglas M. Marshall
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Inc., , [2022] ©2022
ISBN	1-118-53658-4 1-118-53657-6
Descrizione fisica	1 online resource (209 pages)
Collana	Aerospace
Disciplina	343.0975
Soggetti	Drone aircraft - Law and legislation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- UAS Integration into Civil Airspace -- Contents -- Preface -- Aerospace Series Preface -- Acknowledgements -- List of Acronyms and Abbreviations -- 1 Background -- Introduction -- Setting the Stage for Integration of Remotely Piloted Aircraft into Non-segregated Airspace -- The Law of the Sea and the Law of the Air -- A Brief History of Aviation Regulations -- International Civil Aviation Regulations -- The Chicago Convention and the International Civil Aviation Organization -- Conclusion -- References -- 2 UAS Airspace Integration in the European Union -- Regulations, Opinions, Decisions -- Implementing Organizations -- Eurocontrol -- Conclusion -- References -- 3 ICAO -- ICAO Model UAS Regulations -- Advisory Circulars -- DRAFT Canada AC 922-001, RPAS Safety Assurance -- UTM Guidance -- ICAO RPAS Concept of Operations -- ICAO U-AID Guidance -- The ICAO UAS Toolkit -- RPAS Manual (Doc.) 10019 1st Edition -- Conclusion -- Reference -- 4 UAS Airspace Integration in the United States -- The FAA Modernization and Reform Act of 2012 (Hereafter FMRA), Public Law 112-95, Title III - Safety, Subtitle B - Unmanned Aircraft Systems -- The FAA Extension, Safety, and Security Act of 2016 Title II, Subtitle B-UAS Safety (Pub. L. 114-190) -- The FAA Reauthorization Act of 2018 (Pub. L. 115-254) -- The Response from the FAA and NASA -- Status of UTM Today -- UTM Vision -- Participation -- Performance Authorizations -- Airspace Authorization

-- Recent Developments in UAM/AAM -- Conclusion -- References --
5 Global Airspace Integration Activities -- Australia -- Brazil -- Canada
-- China -- France -- Germany -- Ireland -- Italy -- Japan -- Mexico
-- Netherlands -- New Zealand -- Norway -- Singapore -- South
Africa -- Sweden -- United Kingdom -- Conclusion -- References -- 6
The Role of Standards -- Conclusion -- References -- 7 The
Technology.
Conclusion -- References -- 8 Cybersecurity and Cyber Resilience --
Describing the Threat -- ICAO -- IATF -- Global Resilient Aviation
Network Concept of Operations - Trust Framework -- ICAO Council
and Assembly Documents -- Declaration on Cybersecurity in Civil
Aviation (Dubai, 2017) -- Conclusion -- References -- Index -- EULA.
