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The Editors believe the papers included in this book will contribute to discussion on the subject matters covered. However, the contents of this book neither represent the views or opinions of the Editors nor of the organisation with which they are affiliated. The authors are exclusively responsible for the contents of their papers as well as propriety of any material used in this book.

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National Regulatory and Policy Developments

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LIST OF ABBREVIATION S

AGA	Aerodromes and Ground Aids (section, of ICAO)
ANS	Air Navigation Systems
ATC	Air Traffic Control
ATM	Air Traffic Management
CAA	Civil Aviation Authority
CSLA	(US) Commercial Space Launch Act
CSOWG	(UK CAA) Commercial Space Operations Working Group
EASA	European Aviation and Safety Agency
EDA	European Defence Agency
ESA	European Space Agency
EU	European Union
FAA	(US) Federal Aviation Administration
FAA- AST	(US) Federal Aviation Administration-Office of Commercial Space Transportation
FIRs	Flight Information Regions
FL	Flight level
HAPS	High altitude platform systems
HTHL	Horizontal takeoff /horizontal landing
IAASS	International Association for the Advancement of Space Safety
IADC	Inter-Agency Space Debris Coordination Committee
IASL	(McGill University) Institute of Air and Space Law

IASTA	International Air Services Transit Agreement
ICAO	International Civil Aviation Organization
ICJ	International Court of Justice
IFR	Instrument Flight Rules
IMO	International Maritime Organization
ISO	International Standards Organization
ISS	International Space Station
ITU	International Telecommunication Union
JAA	Joint Aviation Authorities
kg	kilogramme(s)
LEO	Low Earth Orbit
LIDAR	Laser Interferometry Detection and Ranging
MTOW	maximum take-off weight
NASA	National Aeronautics and Space Administration
NAS	National Airspace System
NOTAM	Notice to Airmen
OA	Orbital aircraft
OST	Outer Space Treaty
PAROS	Prevention of an arms race in outer space (UNGA resolution)
POC	Point of Contact
REMAT	Regulation of emerging modes of aerospace transportation
RPA	Remotely piloted aircraft
RPAS	Remotely piloted aircraft systems

PREFACE

any remarkable achievements have been made in the evolution of both air and space transportation systems over the last few decades. Space transportation systems continue their rapid technological and commercial development. The long-standing issue surrounding the international legal boundary between the

primarily the United States and former Soviet Union, and to avoid the appropriation of celestial bodies. A completely different reality existed at that time which differs greatly from the multitude of parties and organisations which operate in space today.

In 2006, the IAASS formed a working group called “An ICAO for Space?” to make the case for organising space on the ICAO model. It moved from the aforementioned considerations of intertwined operations (and common risks). First, space-bound and returning traffic often crosses international airspace under ICAO jurisdiction (i.e. the airspace above international waters); second, key

The main objectives of the Conference were to:

- (a) assess the current situation and future plans for aerospace transportation;
- (b) critically examine and identify precisely the regulatory challenges to operation of aerospace vehicles; and
- (c) suggest viable policy and regulatory steps (mechanisms) that may be considered by States and other stakeholders to facilitate aerospace transportation and to ensure the safety of global aviation.

At the Conference, it was agreed in principle that a Study Group under the lead of IAASS would be proposed to the ICAO Council to draft a manual which may in time become the forerunner of future standards and guidelines on commercial huma()102(h)-1(c)-8(.11)7((ms)-2(hc(i)--s)1(o)-l)-2rccialn

is currently undergoing discussion at ICAO and which may serve a paradigm shift beyond the traditional separation between air and space law. This section concludes with a contribution highlighting the Chinese perspective on the age-old matter of the delimitation between airspace and outer space, and the important matter of the right of passage through airspace which will no doubt be pertinent to emerging modes of aerospace transportation.

The book concludes with brief summaries of the discussions that took place during the two-day event, which serve to highlight the great interest, concerns and prospect for future discourse that the development aerospace transportation attracts.

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