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Titolo	Initial Airworthiness : Determining the Acceptability of New Airborne Systems // by Guy Gratton
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ISBN	3-319-11409-3
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (323 p.)
Disciplina	532 533.62 620 629.1
Soggetti	Aerospace engineering Astronautics Fluids Aerospace Technology and Astronautics Fluid- and Aerodynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	What is airworthiness.? -- The atmosphere -- The pitot static system -- The flight envelope -- First principles of structural approval -- Approving an aircraft's main flight structure -- Undercarriage structural approval -- Control surfaces and circuits -- Powerplant airworthiness -- Crashworthiness -- Introduction to flying qualities evaluation.- Longitudinal stability and control -- Lateral and directional stability and control -- Aeroplane Asymmetry -- Stalling characteristics -- Systems assessment -- Facilitating continued airworthiness.
Sommario/riassunto	Designed as an introduction for both advanced students in aerospace engineering and existing aerospace engineers, this book covers both engineering theory and professional practice in establishing the airworthiness of new and modified aircraft. Initial Airworthiness includes information on: · how structural, handling, and systems evaluations are carried out; · the processes by which safety and fitness for purpose are determined; and · the use of both US and European unit

systems Covering both civil and military practice and the current regulations and standards across Europe and North America, Initial Airworthiness will give the reader an understanding of how all the major aspects of an aircraft are certified, as well as providing a valuable source of reference for existing practitioners.

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