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Declared Distances and Safety Areas

By Sebastian Wagner

GRIN Verlag. Paperback. Condition: New. 24 pages. Dimensions: 8.3in. x 5.8in. x 0.1in. Seminar paper from the year 2013 in the subject Engineering - Safety Engineering, grade: 1, 0, University of Applied Sciences Wildau (Wildau Institute of Technology), course: ATC ATM, language: English, abstract: In a conventional air transport system, airports and aircraft are highly dependent on each other in providing service for their customers and passengers. Especially advances in the engine and airframe technology forced airports to plan, design, and construct facilities necessary to ensure that they were not left behind in full participation in a high growth industry. Nowadays international airports are progressively faced with huge aircraft with greatly increased wingspans carrying almost 900 people. These new circumstances affect airport layouts eminently. Beside the configuration of cargo and passenger terminals, geometric and structural design of pavements, including taxiways, exists and aprons, number and orientation of runways, the length of the runway is a main factor which has to match the improved parameters. Nevertheless, international airports operate with a wide range of present-day aircraft which have quite different requirements of the runway. At this point it is up to the airport owner to declare distances on the runway which are...



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