

1. Design and implementation of A-SMGCS terminal

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Source: *Applied Mechanics and Materials*, v 738-739, p 946-9, 2015; **ISSN:** 1660-9336; **DOI:** 10.4028/

www.scientific.net/AMM.738-739.946; **Publisher:** Trans Tech Publications, Switzerland

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Abstract: This paper aims at the problems of safety and efficiency of airport, designs and implements an Advanced Surface Movement Guidance and Control System (A-SMGCS) terminal, discusses the goals and key technologies about the system, including cache design of aircraft targets, and efficiency improvement of a large number of targets on the aerodrome. Finally, we give the test and conclusions of the system at a international airport in China. (5 refs)

Inspec controlled terms: aerospace safety - airports

Uncontrolled terms: A-SMGCS terminal - advanced surface movement guidance and control system - airport safety - aircraft target cache design - aerodrome - China international airport

Classification Code: B7650A Airport and airbase operations - C3360L Aerospace control

IPC Code: B64F1/00 - G05D1/00 - G08G5/06

Treatment: Practical (PRA)

Database: Inspec

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