Air Traffic Control Radar Beacon System

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Abbreviation

ATCRBS

Definition

1. A surveillance radar system which uses transmitters/receivers (interrogators) and transponders.

2. A secondary surveillance radar system developed for use within the air traffic control system for more precise position reporting of planes. It is used in conjunction with the primary radar, which is used to determine the presence of planes in the airspace. ATCRBS supplements this positional information with positive identification and altitude information, allowing controllers to track each plane more precisely and efficiently.

Definition Source

1. EUROCONTROL, EATM glossary 2004

2. UNITED STATES (2000) "The Story of Mode S: An Air Traffic Control Data-Link Technology" (Emily Chang, Roger Hu, Danny Lai, Richard Li, Quincy Scott, Tina Tyan) [1]

Note

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