

# **Voice Communication Control System Market Size, Share & Trends Analysis Report By Component (Hardware, Software, Services), By Application, By End-use, By Region, And Segment Forecasts, 2022 - 2030**

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## **Abstracts**

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### **Voice Communication Control System Market Growth & Trends**

The global voice communication control system market size is expected to reach USD 6.31 billion by 2030, registering a CAGR of 6.5% from 2022 to 2030, according to a new report by Grand View Research, Inc. The voice communication control system (VCCS) connects and controls several voice communication systems used for air traffic management (ATM). It works on various IT protocols customized for each set of facilities. VCCS is majorly used in the aerospace industry for air traffic management operations.

The rising number of air passengers across the globe has increased demand for the construction of new airports and commercial aircraft deliveries. Due to the huge population, China and India have observed high growth in air traffic compared to other countries. The growing number of airports is anticipated to increase the development of air traffic management infrastructure. Upgraded ATM infrastructures will provide seamless and efficient air traffic control operations.

However, voice communication systems in defense, aviation, and airports must adhere to very tight design guidelines. Additionally, the design must verify that all safety and security regulations are followed, which is a tedious process. These difficulties

confronted by recent market entrants prevent market expansion. Consequently, it is anticipated that the demanding design requirements for the voice communication control equipment used for aviation & defense applications are expected to restrain the market expansion.

The COVID-19 outbreak has severely impaired the world economy. Commercial aviation operations were suspended in 2020 due to the reduction in air traffic brought on by the lockdowns in many countries. As a result, the demand for air traffic control was reduced, further decreasing the need for voice communication systems. In addition, the suspension of international maritime trade also led to a reduction in vessel traffic control. Hence, COVID-19 had a negative impact on the voice communication control systems market.

### Voice Communication Control System Market Report Highlights

The hardware segment is expected to dominate the market during the forecast period. The segment is estimated to grow owing to an increase in demand for high-tech VCCS components such as digital switches, consoles, connections, and antennas. As new air traffic control towers require modern VCCS technology, the rising development of air traffic control towers is predicted to promote market expansion

The air traffic control segment is expected to dominate and witness the fastest growth during the forecast period. The aviation industry mostly uses voice communication control systems for air traffic control operations. VCCS facilitates ground-to-ground and ground-to-air communication in air traffic control. The market expansion is predicted to be supported by the recent advancements in VCCS technology, such as the digital voice communication system that provides real-time aircraft data to pilots and ground staff

The defense segment is predicted to register significant growth throughout the forecast period. The increasing defense budget of several countries, such as the U.S., India, and China, for upgrading the equipment is expected to assist the market growth. The rising modernization of tactical voice communication systems for secure and seamless communication is anticipated to propel segment growth

Asia Pacific is anticipated to emerge as the fastest-growing region owing to growing developments of new airports in countries such as India and China. The

increasing air passenger traffic due to the rising disposable income of individuals has led to the development of new airports in Asian countries to fulfill the demand for air travel

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