

# Global Cognitive Radio Market 2018 by Manufacturers, Regions, Type and Application, Forecast to 2023

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## Abstracts

The cognitive radio market is segmented on the basis of components into software tools, hardware, and services. The software tools segment is expected to hold the largest market size during the forecast period. Software tools play an important role in the cognitive radio market. Components that are integrated with the hardware of the radio communication systems, such as amplifiers, detectors, and modulators/demodulators, are embedded using the related software tools. Therefore, software tools are an important component of the cognitive radio ecosystem.

### Scope of the Report

This report focuses on the Cognitive Radio in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. In the applications segment, the spectrum sensing application is expected to hold the largest market size during the forecast period. The spectrum sensing application of the cognitive radio involves observing and updating the status of the spectrum and the movement of the licensed or primary users, by periodically sensing the frequency band. Spectrum sensing enables the cognitive radio transceiver to sense any spectrum hole or idle spectrum at a particular time, location, or band. It also identifies the way of accessing the spectrum hole without interfering the communication of the primary users. In the end-users segment, the government and defense segment is expected to have the largest market size during the forecast period. The governments of various countries are focused on developing and implementing advanced communication technologies, such as cognitive radios and Software-Defined Radio (SDR), for serving the requirements of the modern nature of warfare as well as ensuring public safety and security.

The worldwide market for Cognitive Radio is expected to grow at a CAGR of roughly

16.6% over the next five years, will reach 8180 million US\$ in 2023, from 3250 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

BAE Systems

Raytheon Company

Thales Group

Rohde & Schwarz

Spectrum Signal Processing

XG Technology

Nutaq

Ettus Research

Shared Spectrum Company

Datasoft Corporation

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Government and Defense

Telecommunication

Transportation

Market Segment by Applications, can be divided into

Spectrum Sensing

Spectrum Analysis

Spectrum Allocation

Location Tracking

Cognitive Routing

There are 15 Chapters to deeply display the global Cognitive Radio market.

Chapter 1, to describe Cognitive Radio Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Cognitive Radio, with sales, revenue, and price of Cognitive Radio, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Cognitive Radio, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Cognitive Radio market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Cognitive Radio sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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