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Communication Test and Measurement Market by Test Solutions (Wireless, Wireline), Type of Test (Enterprise Test, Field Network Test, Lab and Manufacturing Test, Network Assurance Test), Services, End-User, Region - Global Forecast to 2025

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Abstracts

“The increasing need to ensure proper testing and measurement to deliver high-quality services for voice, video, and data contribute to the growth of thecommunication test and measurement market”

The global communication test and measurement market size is projected to grow from USD 6.2 billion in 2020 to USD 9.7 billion by 2025, at a Compound Annual Growth Rate (CAGR) of 9.5% during the forecast period.The market growth can be attributed to the increasing adoption of 5G connections which would require wireless test equipment, test performance, and network management solutions. The objective of the report is to define, describe, and forecast the communication test and measurement market size based on test solution, type of test, services, organization size, end-user, and region.

Among services, the managed service segment to grow at a higher CAGR during the forecast period

The communication test and measurement market is segmented on the basis of different types of services provided by vendors in the market into product support services, professional services, and managed services. With the increasing adoption of communication test and measurement solutions among CSPs, the demand for supporting services is expected to gain traction among organizations. Product support services assist in the operation of products through training, technical support, text documents, and demos. The professional services facilitate the overall lifecycle

management of the entire system. Professional services provide support in design and specification, project management, and anytime integration of third-party software and hardware, encouraging faster innovation, development, commissioning, monitoring, and troubleshooting of complex network components, transmission systems, and network services. Managed services comprise third-party test equipment support and renting services. These services enable network equipment manufacturers and mobile operators to choose from a wide range of products offered by different vendors and offer support services for them. Managed services also provide renting of test equipment.

Among regions, Asia Pacific (APAC) to grow at the highest CAGR during the forecast period

APAC is expected to grow at the highest CAGR during the forecast period. Factors such as the emergence of 5G network, and the rise in R&D investments in APAC countries will have a significant impact on the growth of the communication test and measurement market. High investments in network infrastructure and the presence of major telecom players, such as China Mobile, China Telecom, and China Unicom to aggressively launch 5G services in China would drive the market growth in China.

Breakdown of primaries

In-depth interviews were conducted with Chief Executive Officers (CEOs), innovation and technology directors, system integrators, and executives from various key organizations operating in the communication test and measurement market.

By Company: Tier I: 47%, Tier II: 33%, and Tier III: 20%

By Designation: C-Level Executives: 40%, Manager and Other levels: 60%

By Region:APAC: 40%, Europe: 35%, North America: 25%,

The report includes the study of key players offering communication test and measurementsolutions and services. It profiles major vendors in the global communication test and measurementmarket. The major vendors in the global communication test and measurement market includes Anritsu (Japan), Fortive (US), EXFO (Canada), Rohde & Schwarz (Germany), National Instruments (US), VIAVI (US), Yokogawa (Japan), Spirent (US), Keysight Technologies (US), Huawei (China), VeEX

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(US), Empirix (US), Calnex Solutions (UK), octoScope (US), Centina Systems (US), Cisco (US), SysMech (Kent), Luna Innovations (US), NETSCOUT (US), ThinkRF (Canada), TEOCO Corporation (US), QualiTest (US), and Kyrio (US).

Research Coverage

The market study covers communication test and measurementmarket across segments. It aims at estimating the market size and the growth potential of this market across different segments, such as tets solutions, type of test, services, organization size, end-user, and regions. It includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Key Benefits of Buying the Report

The report would provide the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall communication test and measurementmarket and its subsegments. It would help stakeholders understand the competitive landscape and gain more insights to better position their business and plan suitable go-to-market strategies. It also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

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About

The CT&M market is highly dependent on the growth oftelecommunications industry. An increase in subscriber base, operators move towards 3G, World Wide Interoperability for Microwave Access (WiMax) Technologies, and Research and Development (R&D) investments in the emerging Long Term Evolution (LTE) and LTE-Advanced technologies have fuelled the growth of the telecommunications industries. These initiatives demand for increased LTE/4G trial runs which in turn trigger the demand for CT&M products to optimize the networks.

The CT&M products help network operators, equipment manufacturers and broadband service providers to deliver high quality triple-play services: voice, video and data over mobile and fixed networks. The CT&M solutions help network operators in deployment of new services, help in reducing CAPEX and assist in delivering Quality of Service (QoS) across each phase of network life cycle, which include R&D, manufacturing, deployment and service assurance.

The CT&M solution also helps broadband service providers and operators to deliver high Quality Experience (QoE) to their users and ensure effective management of services such as Voice over Internet protocol (VoIP) and Internet Protocol TV (IPTV) services by providing visibility into end-user experience and facilitates repair, calibration, instrument management, deployment and maintenance of networks and services.

The wireless industry is offering tremendous growth opportunities for the test equipment vendors. The wireless standards are evolving rapidly with increasing bandwidth demand and higher data transmission rates. The growing number of mobile and internet subscribers and increasing adoption of broadband services and evolving communication standards such as LTE, LTE-Advanced are fuelling the demand for CT&M products.

The major players in CT&M market such as, JDSU, Agilent Technologies, Anritsu, EXFO, IXIA, Rohde & Schwarz, National Instruments, etc. are finding huge potential in the market with wireless test and measurement products.

The report broadly comprises type of communication test equipment: wireless and wireline: type of communication test: enterprise test, field network test, lab and manufacturing test, network assurance test; type of services: product support services, professional services, managed services; end-users: Network Equipment Manufacturers

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