Increase in mobile subscriber base and penetration of smartphones is driving the deployment of near-field communication (NFC) -based mobile ticketing for transit systems (rail and bus). Other key factors influencing the adoption of NFC ticketing include emphasis on integration and interoperability not just amongst transit operators but also with retail and other value-added services; focus on account-based ticketing (ABT); increasing digitalisation in public transport; the potential of big data; the drive towards development of smart cities; and the rise of mobility-as-a-service (MaaS).

NFC-based mobile ticketing brings in host of benefits to transit agencies. Contactless payments improve revenue by reducing fraud, lower costs of operations and maintenance, improve service, allow transit agencies to implement innovative fare structures, aid interoperable travel, and support convergence with complementary applications and technologies including open-loop credit/debit payment cards.

As a result, transit agencies have unveiled plans to deploy NFC-based mobile ticketing. This deployment of NFC-based mobile ticketing for transit presents attractive opportunities for technology providers, system integrators, ticketing equipment suppliers, mobile network operators (MNOs), mobile phone and chip manufacturers, financiers, consultants, etc.

Global Mass Transit's NFC Mobile Ticketing for Transit Report 2018 provides information on the existing NFC mobile ticketing industry, a comparative analysis of NFC ticketing and alternative fare media, case studies, recent developments (deployments, pilot projects, contracts awarded, announcements, partnerships, etc), growth drivers, market outlook, plans of transit agencies to deploy of NFC-based mobile ticketing, cybersecurity in NFC-based mobile ticketing, risks and challenges impacting future deployment, and key players. It also presents an analysis of opportunities by region: North America, Latin America, Asia Pacific, Europe and Middle East and Africa.

It also discusses the key upcoming trends influencing adoption of NFC ticketing such as integration and interoperability, account-based ticketing (ABT), digitalisation in public transport, big data, smart ticketing for smart cities and mobility-as-a-service (MaaS).

The report is available in a PPT format (converted to PDF format).

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Sources and Methodology

Global Mass Transit Research’s industry analysts have utilised primary and secondary research sources in preparing this report. Primary sources include information obtained through telephone interviews and emails from public transport authorities, operators and regulators. Secondary sources include, but are not limited to, project websites and status reports; websites, annual reports, capital programmes and financial reports of transport authorities and operators; documentation provided by relevant financing institutions; investor presentations; analyst reports; government plans and documents; websites of ministries and regulators; websites of industry associations; internal and external proprietary databases; news articles; and press release reports. Wherever applicable, research sources are cited within the report.

Our analysts and researchers have combined the information from these primary and secondary sources with their industry expertise to synthesise the qualitative and quantitative analysis presented in this report. In cases where data was not available, we have used the estimates from authentic published reports or press releases.

Great care has been taken to ensure that all analysis is supported by facts. In situations where facts were not available and assumptions were made to conduct analysis, we have explained our assumptions and our methods of estimation.

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