5GMF White Paper

5G Mobile Communications Systems for 2020 and beyond

Version 1.1

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The Fifth Generation Mobile Communications Promotion Forum

Contents

Scope

This white paper addresses the results of studies carried out by the Fifth Generation Mobile Communications Promotion Forum (5GMF) in Japan. As a result of the study, the white paper proposes two key concepts of 5G and two main key technologies required to realize these key concepts.

The scope of the study also includes market and user trends, traffic trends, cost and spectrum implications, typical usage scenarios, and requirements of 5G. Radio access technologies and network technologies of 5G are addressed, and summary of 5G Trial Promotion Group (established in 2016) report is captured. In the Annex, the perspectives of future business and services are introduced for reference.