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INTERNATIONAL STANDARD

colour inside

Transmitting and receiving equipment for radiocommunication – Radio-over-fibre technologies and their performance standard – Part 4: Radio-over-fibre-based indoor distributed antenna system (DAS) for 5G

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TRANSMITTING AND RECEIVING EQUIPMENT FOR RADIOCOMMUNICATION – RADIO-OVER-FIBRE TECHNOLOGIES AND THEIR PERFORMANCE STANDARD –

Part 4: Radio-over-fibre-based indoor distributed antenna system (DAS) for 5G

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Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

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INTRODUCTION

This document provides the performance standards of the RoF-based 5G indoor distributed antenna system (DAS) network for cost-effectively offering quality of service (QoS) guaranteed 5G mobile communication services with high bandwidth and low-latency characteristics without radio shadowing in an indoor environment. First of all, the system overview, system configurations, and the elements of the system are presented and then the electrical and optical interfaces for each system element are defined. Finally, the detail system performance specifications of each element are described for downlink and uplink configurations.