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RADIO RESOURCE MANAGEMENT IN FUTURE TSN

INTRODUCTION

The emergence of Time-Sensitive Networking (TSN) has changed the formation of industrial communication systems significantly. This is especially important with the current need for high reliability and low latency in new application areas such as industrial automation and auto-mobiles.

DYNAMIC SPECTRUM

As observed, effective LRM requires strategies to support dynamic spectrum allocation. This enables system to address fluctuations in traffic in a way that is true to the applications where bandwidth is required most.

LOAD BALANCING

This is crucial in order to avoid cluster in available resources when it comes to traffic distribution. Some of the general load balancing methods that can impact the latency and prepare an accurate transmission strategy are known.

CONCLUSION

Radio Resource Management will be crucial as various industries continue to adopt TSN due to benefits that supplement communication reliability and effectiveness. Applying suitable RRM schemes will not only ensure the efficiency of the usage of resources but also that TSN can satisfy the requirements of future applications.

RECOMMENDATION

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