

INTERNATIONAL STANDARD

Low and ultra-low latency communication and control systems



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INTRODUCTION

The focus of this document is low and ultra-low latency communication and control system (ULCCS) technology to address the challenges of communication and control for multimedia-centric applications in local environments. State-of-the-art wireless systems targeting multimedia delivery do not adequately fulfil the stringent performance requirements of emerging control-centric applications. Hence, there is a need to develop a new protocol which can satisfy the stringent requirements of such applications.

1 Scope

This document specifies the low and ultra-low latency communication and control system (ULCCS) technology to address the communication and control challenges of multimedia-centric applications. It describes the medium access control (MAC) layer specifications:

- MAC frame design for control-centric scheduling.
- Message types and packet formats for MAC layer operation.
- System management aspects at the MAC layer for multiple control domains and multi-hop operation.

2 Normative references

There are no normative references in this document.