

ICS 33.020
CCS M33

YD

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YD/T 6876-2026

**General technical requirements for cloud-based augmented
reality services under 5G networks**

基于5G网络的云化增强现实业务总体技术要求

(English Translation)

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Foreword

YD/T 6876-2026 is a recommended industry standard of the People's Republic of China in the Telecom sector, approved and issued by the Ministry of Industry and Information Technology on 1 June 2026, with effect from 1 September 2026.

It is administered by the China Communications Standards Association.

Classification: ICS 33.020; CCS M33.

1 Scope

YD/T 6876-2026 specifies the general technical requirements for cloud-based augmented reality (AR) services under 5G networks. It covers the overall architecture and the division of functions, the terminal application services that support an AR cloud platform, and the requirements that cloud-based augmented reality places on 5G network indicators. In this model the AR processing runs in the cloud and is delivered to the user's terminal over the 5G network.

The document applies to the deployment and implementation of cloud-based augmented reality services over 5G networks. Its users are mobile network operators, AR cloud platform and application providers, and terminal manufacturers. It is a voluntary standard, as the /T in its code shows. It was approved by the Ministry of Industry and Information Technology, issued on 1 June 2026 and takes effect on 1 September 2026. It is a new standard.