5G Media Streaming Architecture

Member's work in more detail...

5g-mag.com/technology

5G Media Streaming Architecture

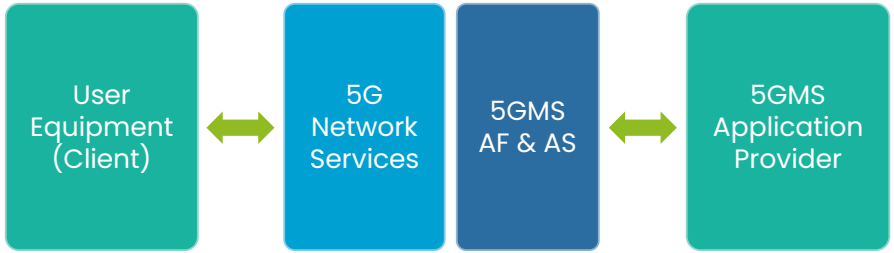
Overview of the work, outcomes, Execution Plan and Technical Resources

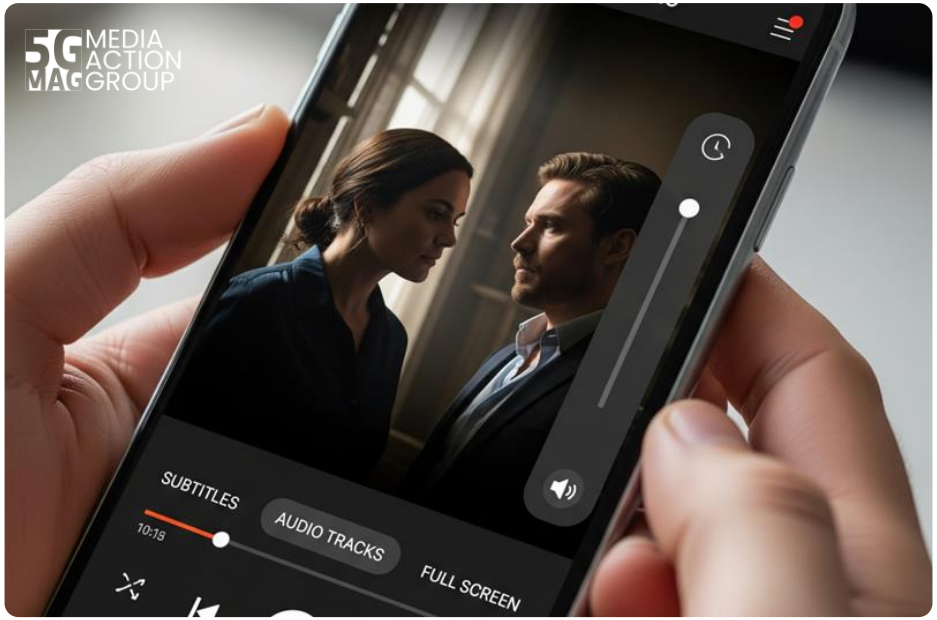
What is this project about?

Improving **quality of experience (QoE)** for media **streaming** on mobile networks by applications sharing knowledge of what the user is trying to achieve with the mobile network.

Applying specific Quality of Service (QoS) **policies** and **charging treatments** to different **traffic flows**, helping the application deliver a **better streaming experience.**

- **Content Hosting and Preparation**
- **Dynamic Policy invocation**
- **Network Assistance** (Bit rate recommendation, delivery boost)
- **Consumption reporting** (feedback reports on consumed content)
- **QoE Metrics reporting** (client uploads of metrics reports)





WHERE TO LOOK AT?

Check the Execution Plan
All the Technical Resources
Information on Standards
Reference Tools available:

- Project: 5G Media Streaming Architecture
- Project: 5G Core Network components

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What are the members doing?

Standards

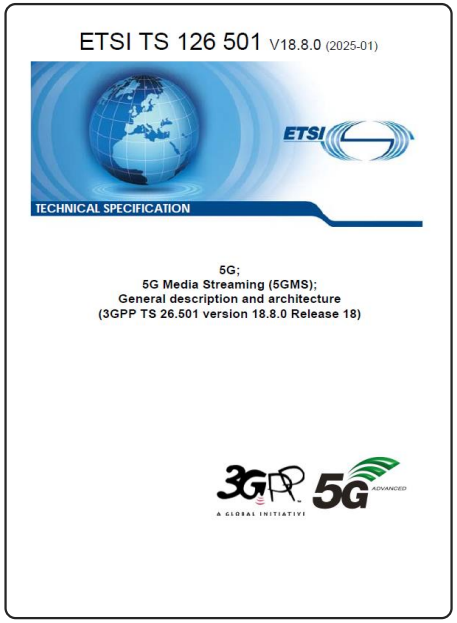
- Deployment collaboration scenarios for 5GMS for streaming services
- Requirements gathering for 3GPP FS_AMD “Study on Advanced Media Delivery”
- Analysis of network features and APIs in relation to uplink media delivery and media production/contribution
- Analysis of protocols and codecs supported
- Tracking 3GPP standardization and relevant work items
- Feedback to relevant specification from SW development

Software

- Implementation of 5G Media Streaming Server-Side and Client-Side components
- Cloud-based deployments and dockerization
- Implementation of APIs and Application Provider toolbox
- Implementation of 5GC service consumer libraries

Testing

- Integration with commercial 5GC under planning
- Generation of data and test assets under planning



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