5G Multicast Broadcast Services
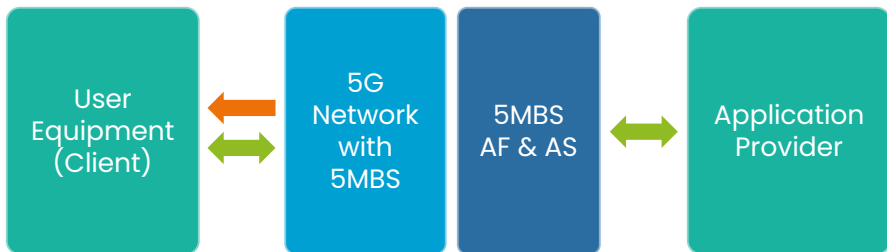
Member's work in more detail...

5G Multicast Broadcast Services
Overview of the work, outcomes, Execution Plan and Technical Resources

What is this project about?

Ability to integrate **multicast** and **broadcast** capabilities within the **5G network** for content delivery at scale.

- Integration of one-to-many and broadcast capabilities into **3GPP-based** user equipment
- Delivery of content to a determined **group of users over multicast** with HARQ and resilience mechanisms similar to those applied in unicast
- Delivery of content to an arbitrarily **large amount of users over broadcast** within a coverage area


```
User Equipment (Client)  ⟷  5G Network with 5MBS  ⟷  5MBS AF & AS  ⟷  Application Provider
```

WHERE TO LOOK AT?

**Check the Execution Plan
All the Technical Resources
Information on Standards
Reference Tools available:**
- **Project: 5G Multicast Broadcast Services**

5G Multicast Broadcast Services
Overview of the work, outcomes, Execution Plan and Technical Resources

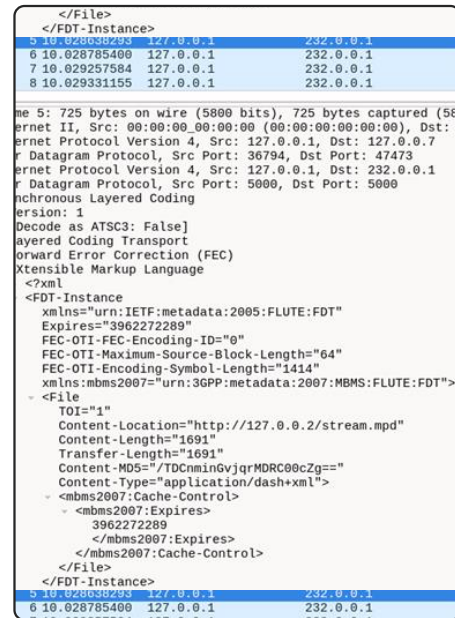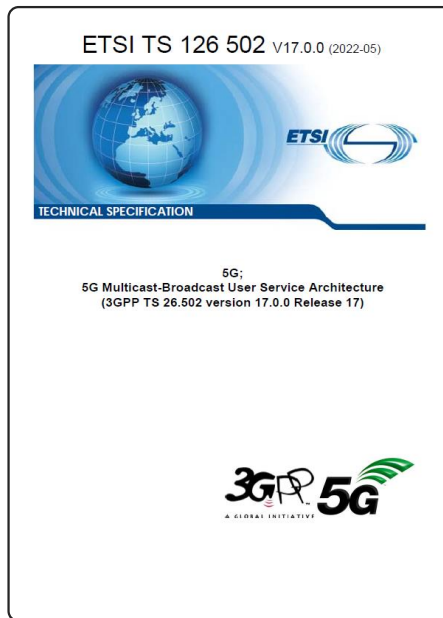## What are the members doing?

Standards

- Documentation on MBS for media delivery and content scalability
- Documentation on architecture, features and procedures in the 5GC, RAN and MBS User Services components
- 3GPP Standardization tracker and relevant Work Items
- Support to standards with feedback from implementation

Software

- Implementation of 5MBS User Services components
- Implementation of end-to-end 5MBS delivery chain for SDR-based hardware

ETSI TS 126 502 V17.0.0 (2022-05)

TECHNICAL SPECIFICATION

5G;
5G Multicast-Broadcast User Service Architecture
(3GPP TS 26.502 version 17.0.0 Release 17)

WHERE TO LOOK AT?

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