Fifth Generation Fixed Network (F5G)

RELEASE 2 DESCRIPTION

Release 2 exhibits extensions and improvements of Release 1. And it adds novel features as new documents in Release 2. There are certain areas, where more focus and specification work is going on. The novel topics include Telemetry for Access Networks, the residential service quality, and Industrial PON. In addition extension of the F5G architecture is specified including the management architecture and the security framework.

The logic of Release 2 is based on various aspects including the 5th generation network characteristics, a set of Release 2 use cases a F5G network shall be able to implement, based on that functional and performance characteristics of those use cases. All of those aspects are driving the F5G system architecture.

OVERVIEW OF RELEASE 2

The focus of the 5th generation fixed networks (F5G) specifications is on networks, which consist fully of optical fibre elements up to the connection serving locations (user, home, office, base station, etc.). That being said, the connection to some terminals can still be assisted with wireless technologies (for instance, Wi-Fi®). The plan for F5G Release are the following documents:

ETSI GS F5G 006 Fifth Generation Fixed Network (F5G); End to End Management and Control (in progress)

ETSI GS F5G 007 Fifth Generation Fixed Network (F5G); Industrial PON (in progress)

ETSI GR F5G 008 Fifth Generation Fixed Network (F5G); F5G Use Cases Version 2 (in progress)

ETSI GS F5G-011 Fifth Generation Fixed Network (F5G); Telemetry Framework and Requirements for Access Network; (in progress)

ETSI GS F5G-012 Fifth Generation Fixed Network (F5G); Security Countermeasure framework specification (in progress)

ETSI GS F5G-013 Fifth Generation Fixed Network (F5G); Technology Landscape V2 (in progress)

ETSI GS F5G-014 Fifth Generation Fixed Network (F5G); F5G Network Architecture V2 (in progress)

ETSI GS F5G-015 5th Generation Fixed Network (F5G); F5G Residential Services Quality Evaluation and Classification (in progress)

ETSI GS F5G-016 5th Generation Fixed Network (F5G); Data Models of Telemetry for Access Network (in progress)

More work items might be established.

SPECIFICATIONS

A full list of related standards in the public domain is accessible via the [ETSI F5G committee page](#).