Ericsson
Fast VoLTE Launch
An industrialized solution for deploying VoLTE in weeks

Ericsson Fast VoLTE Launch is an industrialized solution targeting service providers of any size that is in the need of a rapid and cost-efficient launch of VoLTE for a small to medium number of subscribers, in addition to the existing mobile broadband service.

This solution is ideal for 150 ksubs to 5 Msubs per site. Based on a verified design with IMS VNFs’ deployed on an Ericsson NFVi, Ericsson Fast VoLTE Launch consists of multiple operational guidelines and design blueprints. These assets are intended to streamline and simplify all preparation, installation and deployment activities with the purpose to make the activities both smooth and safe. To rapidly bring VoLTE in commercial operation, a highly skilled and experienced global team is available to support the deployment activities through a combination of on-site and remote/off-shore delivery activities.

Ericsson Fast VoLTE Launch is the ideal foundation for a service provider that wants to start small, focus on a fast and secure launch of VoLTE with little risk and complexity, and then scale and evolve the solution in synch with new demands.

Benefits of deploying VoLTE with Ericsson industrialized cloud-based solutions

- Single VNF SW track
- Enables extension to other Ericsson solutions
- Move VNFs easily between data centers
- Hardened in large deployments
- Cloud agnostic
- Standard open interfaces
- Carrier grade solutions

Industry
- All customer input collected in a single round increasing quality and shortening TTM
- Delivery made easy through automation
- Minimized integration to external nodes
- Professional services to support site engineering, VNF onboarding, integration, and test
- Specialized delivery team leveraging global experiences
- One delivery team - no project handovers

Specialized delivery team
Start small, scale easily and stay flexible

By adopting the full scope of the Ericsson Fast VoLTE Launch solution, all essential benefits of speed, simplicity and agility are made available to the service provider.

**Speed** is a key attribute of Ericsson Fast VoLTE Launch, where the industrialized and well-defined scope allows for a very efficient and quick delivery.

Integration points to already existing surrounding domains and network elements, such as EPC, Circuit Switched network, OSS/BSS systems etc. have been validated and are clearly documented to minimize both the lead-time and the complexity of the solution integration.

All professional services are delivered, either on site or remotely, by dedicated and specialized staff with wide experience in this field. As a result, the full installation, network integration, and VoLTE service configuration can now be made in weeks instead of months.

**Simplicity** for the service provider has been one of the major drivers behind the development of the Ericsson Fast VoLTE Launch. The goal is that there shall only be minimal preparation needed by the service provider. A key component to create simplicity is the large set of supporting assets that are an integral part of the solution. Detailed design blueprints, configuration templates and clear instructions and guidelines are available to simplify and streamline all deployment and integration activities.

The usage of Ericsson BSP 8100 minimizes the physical site requirements and removes the need to deploy additional cooling or to do a full data-center design.

**Agility** is about rapidly meeting market needs, either by increasing the solution capacity to add more VoLTE users, or by introducing new functionality including evolved communication services such as Wi-Fi calling. Such adaptations are fully embraced, where the Ericsson Fast VoLTE Launch is the optimized baseline from which the service provider specific solution is created.

With Ericsson Fast VoLTE Launch, the service provider can expand the solution in a step-wise approach, staying in control of the latest market developments. Additional capacity is achieved simply by adding expansion sub-racks equipped with payload blades for the IMS VNFs. Each site can be expanded up to 6 sub-racks in 2 cabinets.

Functional wise, the solution can in an efficient and rapid way be extended to support additional use cases like Wi-Fi calling, Fixed services or multi-device voice offerings including cellular smartwatches.

Ericsson IMS VNFs share the same SW baseline across all solutions with full feature parity, allowing for expansion either with additional Fast VoLTE Launch instances, or Ericsson Cloud VoLTE instances for large scale data center deployments.

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**Ericsson Fast VoLTE Launch benefits**

- **Speed**
  - Deploy VoLTE in weeks

- **Simplicity**
  - Industrialized VoLTE add-on to your core

- **Agility**
  - Expand capacity and functionality according to market needs

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Included products
The Ericsson Fast VoLTE Launch offering includes the following products and Virtual Network Functions (VNF):
- Ericsson BSP 8100 Cloud infrastructure HW platform
- Ericsson Cloud Execution Environment
- Ericsson Application SW
  - vCSCF (Call Session Control Function)
  - vMTAS (Mobile Telephony Application Server)
  - vSBC (Session Border Controller)
  - vMRF (Message Resource Function)
  - vAFG (Authentication and Federation Gateway)
  - vIPWorks (IPWorks)
  - vEDA (Ericsson Dynamic Activation)

From the smallest reference configuration, the solution can easily scale to meet the capacity demands from a growing VoLTE market.

Included functionality
The Ericsson Fast VoLTE Launch solution baseline includes integration and support of the following:
- VoLTE Supplementary Services
- Single Radio Voice Call Continuity (SRVCC)
- IMS Centralized Services (ICS)
- Offline charging enablement
- Fault and Performance Management enablement
- EPC interworking
- IMS/MSS interworking
- Mobile Number Portability (MNP)
- Self-Service management
- Subscriber provisioning
- Lawful interception interfaces
A customer reference case example - deploying VoLTE in weeks

Ericsson has deployed the Fast VoLTE Launch solution in service provider networks in a couple of weeks’ time, counting from the start of HW deployment until the first VoLTE-to-VoLTE call is made.

Do you want to know more about how to deploy Ericsson VoLTE?

Find some examples of what other service providers have done:

More about Ericsson Voice Services:

More about Ericsson VoLTE: