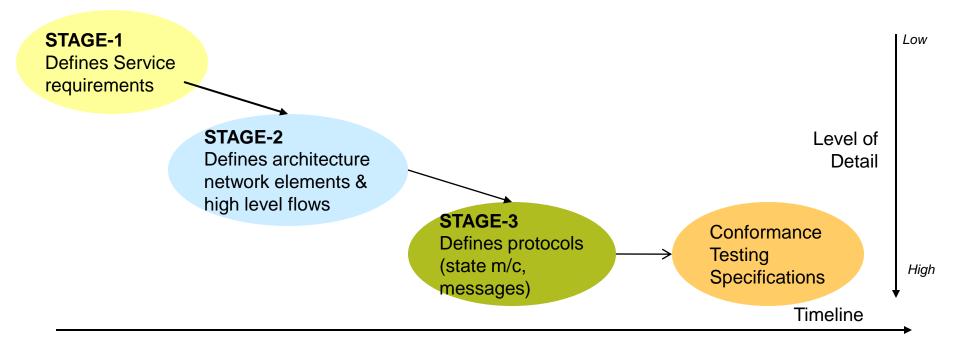


Link to get latest 3GPP specs per release: ftp://ftp.3gpp.org/Specs/latest
Link to find out what a spec covers: http://www.3gpp.org/Specification-Numbering

The 3GPP Process of Developing a New System/Feature/Service



 The process is applied to both "big features" e.g., LTE and to smaller features, e.g., Emergency-call support in LTE.

The 3GPP Standards Process applied to LTE

STAGE-1

Defines service requirements

TR 25.913 Requirements for evolved UTRA and UTRAN

- Rates: DL: 100 Mbps, UL: 50 Mbps (for 20 MHz spectrum)
- Control plane latency (idle->active < 100 ms)

TS 22.278 Service requirements for the Evolved Packet System

- Support of non-3GPP accesses
- Differentiated quality of Service.

STAGE-2

Defines architecture network elements & high level flows

TS 23.401 GRPS Enhancements for E-UTRAN Access

Describes the overall LTE system architecture

TS 36.300 E-UTRA & E-UTRAN Overall Description

Describes the Radio Access Network part of LTE

STAGE-3

Defines protocols (state m/c, messages)

Large number of specs (key)

- 36.331 Radio Resource Control
- 24.301 Non Access Stratum (NAS)
- 24.274 Generic Tunneling Protocol (GTP)
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Detail

Release 8

Timeline

2Q 2004 1Q 2005 March 2007 March 2008

Stages are defined in ITU-T Specification Recommendation I.130. http://www.itu.int/rec/T-REC-I.130/en