

# Location Services phase 2

**Overview of LCS phase 2  
for SMG3**  
*October 3, 1999*

# LCS Specifications in Phase 2

- GSM 02.71 LCS Stage 1
- GSM 03.71 LCS Stage 2
- GSM 04.30 MO Location Request (MO-LR) SS specification
- GSM 04.31 MS-SMLC interface; LCS Protocol (RRLP)
- GSM 04.35 Broadcast Network Assistance for E-OTD and GPS Positioning Methods
- GSM 04.71 LCS Mobile radio interface Layer 3
- GSM 08.31 SMLC-SMLC; SMLC Peer Protocol (SMLCPP)
- GSM 08.71 LCS SMLC-BSS interface Layer 3
- GSM 09.31 BSSAP LCS Extension (BSSAP-LE)
- GSM 10.71 LCS Project Scheduling

# LCS Spec.s for SMG#30 and #31

- LCS Specifications and CRs for approval in SMG#30 (Release 98)
  - TSs - 09.31
  - CRs - 02.71, 03.02, 03.03, 03.07, 03.08, 03.16, 03.32, 03.71, 04.07, 04.71, 09.02, 09.08
- LCS Specifications and CRs for information in SMG#30 and approval in SMG#31 (Release 98)
  - TSs - 04.30, 04.31, 04.35, 08.31
  - CRs - 03.18, 03.41, 04.08, 05.02, 05.05, 05.10, 08.08, 08.58, 08.71

# LCS phase 2

## Specifications for Endorsement in SMG#30

SMG3 WPA

SMG3 WPC

– GSM 09.31

# LCS phase 2

## Change Requests for Endorsement in SMG#30

### SMG3 WPA

- GSM 03.71
- GSM 04.71

### SMG3 WPC

- GSM 03.71

# LCS phase 2

## Change Requests for Approval in SMG#30

### SMG3 WPA

- GSM 04.07
- GSM 09.08

### SMG3 WPC

- GSM 03.03
- GSM 03.07
- GSM 03.08
- GSM 03.16
- GSM 09.02

# LCS Standardization

- The LCS phase 1 specifications were approved at SMG#29.
- LCS phase 2 is a GSM Release 98 work item.

In addition to LCS phase 1, LCS phase 2 will support:

- Standardization of the E-OTD and GPS positioning methods
  - Re-allocation of LCS functions across network elements to support a NSS and BSS based architecture
- Most LCS phase 2 specifications related to SMG3 will be submitted to SMG#30 for approval.

# Countdown to SMG#30

Draft specifications and CRs are being sent to SMG3 WPA and WPC for information and comments as they become available.

Oct 5 - 9      Overview presentation of LCS phase 2

Oct 18 - 22    T1P1 SMG3 Rapporteur presents LCS Change Requests to SMG3 WPC

Oct 25 - 29    T1P1 SMG3 Rapporteur presents LCS Change Requests to SMG3 WPA

**Oct 28  
- Nov 2**      ***Proposal for a virtual SMG3 Plenary to approve LCS documents for SMG#30.***

Nov 1 - 5      T1P1.5 LCS SWG Meeting to complete LCS specifications and CRs for approval or information in SMG#30