

SP-99516

# Status of S1

Docs 515-531, 553 and 554

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# Summary

- Good progress towards completing R'99, started planning R'2000
- 1 new specification for approval - 22.140 on Multi-media Messaging
- 1 new specification for information - 21-905 on Vocabulary
- Number of minor CRs, all but 1 at R'99
- Problem over NITZ Implementations

# TS 22.140 v2.0.0, doc 531

## Multi-Media Messaging

- Stage 1 now complete, largely prepared by T2, with S1 assistance
- Follows SMS pattern, but applicable to non-real-time Multi-Media
- Undelivered message may be stored at called home network, as with Internet
- Flexible design to allow future enhancement, eg by VHE

# TR 21.905 v1.0.0, doc 530

## Vocabulary

- Submitted for information
- Vocabulary based on input from RAN
- Still needs more work, inputting from all S1 specs and checking
- Good basis for start and aim to complete, seeking approval at next SA meeting

# Change Requests - 1

- Doc 517, CR 02.94, Follow me, adding 'service supervisor' - note GSM only
- Doc 518, CRs to 02.68, 02.69, 22.004 on CCBS and ASCI interaction - was missing

# Change Requests - 2

- Doc 519, Editorial CRs to 22.001, 22.003, 22.030, 22.081, 22.085, 22.101, 22.105, to merge GSM and UMTS consistently and remove unused features
- Doc 531, LS to SA#6 on the status of the handover of GSM specifications to 3GPP.

# Change Requests - 3

- Doc 520, CRs to 22.002, General Bearer Services, to cover just Circuit Services and to add 33.6kb/s, Frame Tunnelling and MM
- Doc 521, CR to 22.129 on Handover, to cover UMTS/GPRS handover
- Doc 522, CR to 02.71 (R'98) and 22.071 (R'99) on Location Services, adding US requirements for emergency calls

# Change Requests - 4

- Doc 523, CRs on 3G/2G handover when multiple calls or PDP contexts are active. Which is dropped? Tidy up between 22.129 and 22.135.
- Doc 524, CRs on Network Selection, clarifying how to select between GSM and UMTS, tidying by transferring part of 22.101 to 22.011



# Change Requests - 5

- Doc 525, CRs to 22.060, GPRS, defining interworking with Cell Broadcast, adding mobile IP and deleting anonymous service
- Doc 526, CRs to 22.078, Camel, allowing CSE to change CLI PI for MSP and adding Free Format Data for Call Data Record
- Doc 527, CR 22.101 clarifying FDN
- Doc 528, CR 22.100 adding mobile IP

# Change Requests - 6

- Doc 553, CR to 22.129, Editorial changes
- Doc 554, CR to 22.135, Multicall, clarifying the status of the service and removing activation, registration and interrogation.

# NITZ - Network Identity and Time Zone

- Stage 1 specifies Time Zone as Universal Time plus a Time Difference, whereas 04.08 gives a coding similar to the local time in 03.40
- It appears that some manufacturers have implemented UT, others Local Time, which is inconsistent.
- SA may wish to arbitrate?

# Future Work

- No new features for R'99 anticipated
- Further tidying possible at request of others
- Work being planned for R'2000
- More emphasis on IP for services & support
- Not clear how much impact on S1, but propose ad-hoc with others to study requirements for IP based architecture