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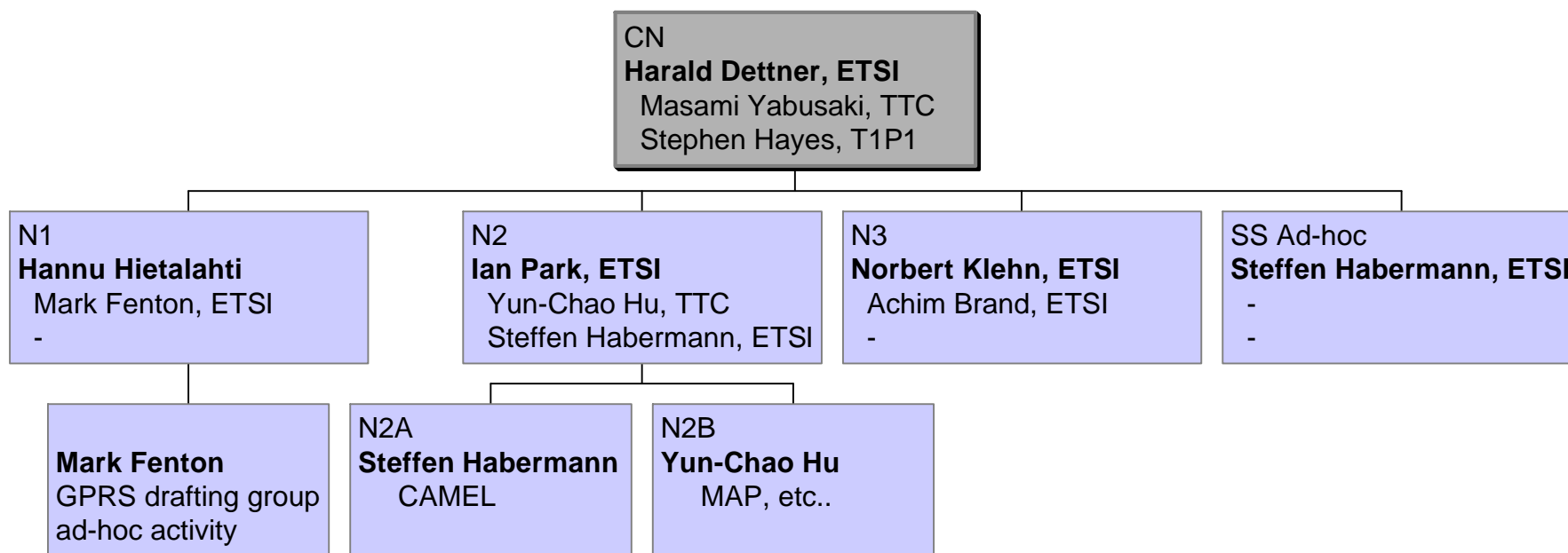
TSG_CN report to TSG_SA#4

Harald Dettner
Chairman TSG_CN/ETSI SMG3

Miami, Florida, June 1999

Organisation of TSG_CN

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                          │ CN                       │
                          │ Harald Dettner, ETSI     │
                          │  Masami Yabusaki, TTC    │
                          │  Stephen Hayes, T1P1     │
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CN
Harald Dettner, ETSI
 Masami Yabusaki, TTC
 Stephen Hayes, T1P1

N1
Hannu Hietalahti
 Mark Fenton, ETSI
 -

N2
Ian Park, ETSI
 Yun-Chao Hu, TTC
 Steffen Habermann, ETSI

N3
Norbert Klehn, ETSI
 Achim Brand, ETSI
 -

SS Ad-hoc
Steffen Habermann, ETSI
 -
 -

Mark Fenton
GPRS drafting group
ad-hoc activity

N2A
Steffen Habermann
 CAMEL

N2B
Yun-Chao Hu
 MAP, etc..

Support Arrangements (1)

- Support arrangements are at present not sufficient

- Respective consequences for the quality of CN work output

- 3 <u>new</u> colleagues for MCC for CN support committed, ramp up from July onward

  In total 4 colleagues for CN & working groups support are planned

- Thanks to all those whole currently have to replace missing colleagues respectively fill gaps

Planned Support Arrangements (2)

- CN Plenary   Franco Settimo   FS ➜ **NN1**
  (at present)

- N1 (Iu-If)   none, temp. Subst.   **NN2**

- N2   Franco Settimo   tbc

- N2A (CAMEL)   Istvan Kocsi   IK ➜ **NN3**

- N2B (MAP, etc) Franco Settimo   tbc

- N3 (IW)   none   **NN1**

- SS_ad-hoc   Istvan Kocsi?   IK ➜ **NN3**

TSG_CN Meeting Schedule

- Various meetings are scheduled
  (see status report preview)

- CN Plenaries joint/linked with SA Plenaries.

- High density of working group meetings
  no common view on
  more meetings vs more offline work/less meetings
  current amount 4-6 weeks period seems accepted
  compromise.

TSG_CN Co-Operation with ETSI/SMG3

- Almost all activities are joint meeting activities
  - ETSI/SPS3continues relation with TSG_CN for CAMEL3

- Pure SMG3 issue identified so far:
  Supplementary service interworking
  GSM/PLMN to ETSI ISDN
  - affected specifications 09.12, 09.14 remain in SMG3

- HO, cell selection under investigation.

TSG_CN Common Issues
Working Methods   - Guidance welcome

- Amount of "identical" CRs against different versions
  - maintenance old versions: R'96, '97, '98, R'99
  - not all "shadow CRs" produced yet by CN working groups
- R'99 WI's only in 20+ series specs
  - to be confirmed by SMG#
- Approval misalignment

  WP --------> SMG3 ------->SMG-Plenary
  WG--------> TSG_CN

  - Consequences of approval/non-approval here and there.
- Does SMG# want to approve 20+series CRs before SMG#31

TSG_CN#4
Amount of approved CR's

WI	# CRs		WI	# CRs
ASCI	4		04.08 split	4
CAMEL	39		PCS Harm.	8
"03.03"	7		SoLSA	5
CCBS	2		EDGE/NSS	3
MSP Ph1	1		NITZ	1
MNP	6		LCS	???
GPRS	103			
SAT	1			
TEI	12			

TSG_CN N1 Work Items   ()

- ## N1 is working on:
  - Multimedia Call CS and PO
  - Multicall
  - Classmark separation RAN vs CN
  - GSM-UMTS Interworking
  - Bearer Capabilities for UMTS
  - Turbo-Charger
  - L3 message segmentation
  - QoS Control for Packet services
  - EDGE (NSS Part, higher CS'ed data rates in the core network), almost complete
  - NITZ enhancements (DST), completed

TSG_CN N1
Status (1)

- 04.08 split   RR -- MM/CC/SM
  ### -- completed --

CONTENTS	CURRENT LOCATION	Release 99 SPEC NUMBER	FUTURE EVOLUTION
Skeleton 04.08 for list of references	04.08	04.08	Can be deleted when references from outside 04.08 are updated
RR part of 04.08	04.08 ch. 3, 8, 9,10	04.xx	GSM RAN specification that lives on in ETSI
CN part of 04.08	04.08 ch. 4,5,6,8,9,10	24.xx	Common CN specification that lives on in 3GPP
Section 7 of 04.08	04.08 ch. 7	23.xx	L3 Stage 2 for 3GPP

TSG_CN N1
Status (2)

- 03.22 split under consideration

- Location Services (LCS)
  - joint activity with T1P1.5 LSC to meet SMG#29
- GPRS
  - high amount of corrective CRs

- Work start on
  - Multimedia and Multicall,   Removal of LLC
    UMTS CC / SM,   Common GTP
    Handover, cell selection

TSG_CN N2
Work Items   (1)

- ## Pre-Paging
  - – continued after feasibility assessment
    usage of Pre-paging for OR purpose
    deferred for >R'99

- ## Out-of-Band Transcoder Control (report delayed)

- ## Super charger
  - – FS completed/approved, specification work starts

- ## Turbo-Charger
  - – handed over to N1

TSG_CN N2
Work Items   (2)

- ## GLR
  - FS completed/approved, no specification work started
    (see separate slide)

- ## Security,
  - new Authentication parameter structure
    length of security parameters causes concerns to transport layers
    MAP/TCAP/SCCP, GTP
    VLR/HLR functionality changes not yet analysed

  - non-CAMEL IST
    Deletion not endorsed by S3
    => S3 to clarify on e.g. non-CAMEL IST for GPRS?.

TSG_CN Status
Working Group N2 (CAMEL, MAP)

- CAMELPh3 tight schedule
  - WG N2A tailored for CAMEL only
  - Principles for CAMEL GPRS interaction / non call related traffic identified/endorsed

- CAMEL Ph2
  - Several corrective/stabilising CRs
  - MSC-Address handling correction/clarification to Ph2 accompanied with health warning to CAMEL Ph1

- CAMEL support for GPRS PSTN/ISDN interconnect services. --> >R'99

- SSN issue on CAP almost completed transition strategy for GSM outstanding for R'96/R'97

TSG_CN / Other issues
GLR (1)

- Work item on GLR was created intention:
  1st   Feasibility report
  2.nd   Specification work depending on (1)

- GLR was discussed in length within N2B and N2 and finally in CN Plenary#4 and Feasibility report approved.

- Dispute on step2 on Specification Work for GLR:

  – 4 companies supported specification work

  – also great opposition against specification within TSG_CN

  – CN#4 decision:
    GLR not specified within TSG_CN, it is up to regional interested parties to continue elaboration of specification material and propose it at later point for inclusion in 3G specifications.

TSG_CN / Other issues
GLR (2)

- To learn: Clear scope of WI essential (FS or specs or both)

- Questions / Problems:
  - voting was proposed to resolve issue
  - If voting would have to be done, where? SA / SA2 / or CN?
    Architectural issue / Management issue
    Voting requires 30 days alerting time.
  - Sufficient rules to not accept a work item even if 4 sponsors exist?

TSG_CN N3 Work Items   (1)

- ## Circuit switched data streamlining for GSM R'99
  - SMG1 work reviewed, CRs after SMG1 CRs approval
    Pseudo WI

- ## EDGE
  - several CRs produced

- ## FAX 3WI's
  - Real-time ITU-T T.38 based
  - Real-time based on n-t Fax 03.46
  - Study on provision of Fax services in GSM and UMTS
    (T2 driver)

TSG_CN N3 Work Items   (2)

- An asynch-to-synch HDLC service in GSM and UMTS

- Circuit switched Bearers in UMTS
  - WI to be created on S1 initiative

- Parameters for Bearer- and Tele-services for PIAFS services
  - WI not yet approved, need to be clarified

TSG_CN Status
Working Group SS-ad-hoc

- Group created to relieve N2-B (CAMEL) and work on previous R'99 SS Work items
  - 1st meeting 4-7 May'99 (Vienna)
- CNAP
  - no support from anywhere, <u>proposed for WI-deletion</u>

 SS-Interworking GSM-PLMN to ETSI ISDN remains in SMG3

- GSM 09.12 / 09.14 remain in SMG3
  - (no common ISDN platform identified)
  - 09.13 (ISDN SS-ASE - MAP Interworking) in 3GPP (CCBS)

TSG_CN SS-ad hoc Work Items ( )

- ## USSD Enhancements
  - – unclear requirements (difference to MMI-Mode of USSD?)

- ## Follow Me
  - – Stage2 with UIC sufficient degree of security available
  - – GSM or UMTS WI?

- ## MSP Ph1
  - – completed 06/99

- ## MSP Ph2
  - – CAMEL Ph3 involved (SS per profile)
    ==> CAMEL Ph3 requirements check ongoing

TSG_CN
Summary

- MCC Support Arrangements for TSG_CN
  currently bad but

  future looks positive

- Detailed work on Rel'99 started

- Scope UMTS release '99 in stabilisation process
  alignment with other groups ongoing

END