

**Source: Secretary**

**Title: Report of MCC activities since PCG#12**

**Agenda item: 8.1**

**Document for:**

Decision	
Discussion	
Information	<b>X</b>

## **1 Introduction**

There have been no major developments in MCC since PCG#12. The following sections provided detailed information on the progress made.

## **2 The Support Team**

### **2.1 Departures and arrivals**

**Per Jorgensen** left MCC at the end of June after three years within MCC during which time he supported TSG CN WG1. He has returned to Norway, to start a new venture with a young company running cellular networks on ferries.

**Tsukasa Sasaki** has also left MCC now to return to Japan. He has spent two and a half years supporting TSG RAN WG1.

ARIB kindly offered **Mr Yoshikazu Ishii** (Panasonic) as a direct replacement for Sasaki-san, and we are lucky to have had an overlap of three months so that Yoshi has had plenty of time to familiarize himself with the modus operandi of MCC in general and the work of RAN1 in particular.

You can find his coordinates on the 3GPP web site at <http://www.3gpp.org/Support/MCC/Yoshi.htm>.

Welcome, Yoshi!



Yoshi Ishii

**Sang-Ui Yoon** (SA2 support) will leave MCC at the end of October to return to KTF. TTA has offered a replacement in the form of **Mr Seung-Dong Han**. Seung-Dong will start in mid-October.

It is possible that there will be a further departure from MCC at the end of the year, but this cannot be confirmed at present.

It is hoped that the changes in the composition of the Team will be smoothly implemented and that the usual level of service will be maintained.

## 2.2 Organization of the Support Team

With the departure of Per Jorgensen, Andrijana Jurisic took over CN1 support with effect from the June TSG Plenaries. In turn, she relinquished T3 and ETSI SCP which were taken up by Friedhelm Rodermund and Kimmo Kymalainen respectively.

With the departure of Sang-Ui Yoon, SA2 will pass to David Boswarthick, and CN3 will fall into the hands of Seung-Dong Han.

The organigram below shows the current allocation of resources to each entity within 3GPP. This chart is regularly maintained and the latest version may always be obtained from the 3GPP website at <http://www.3gpp.org/>

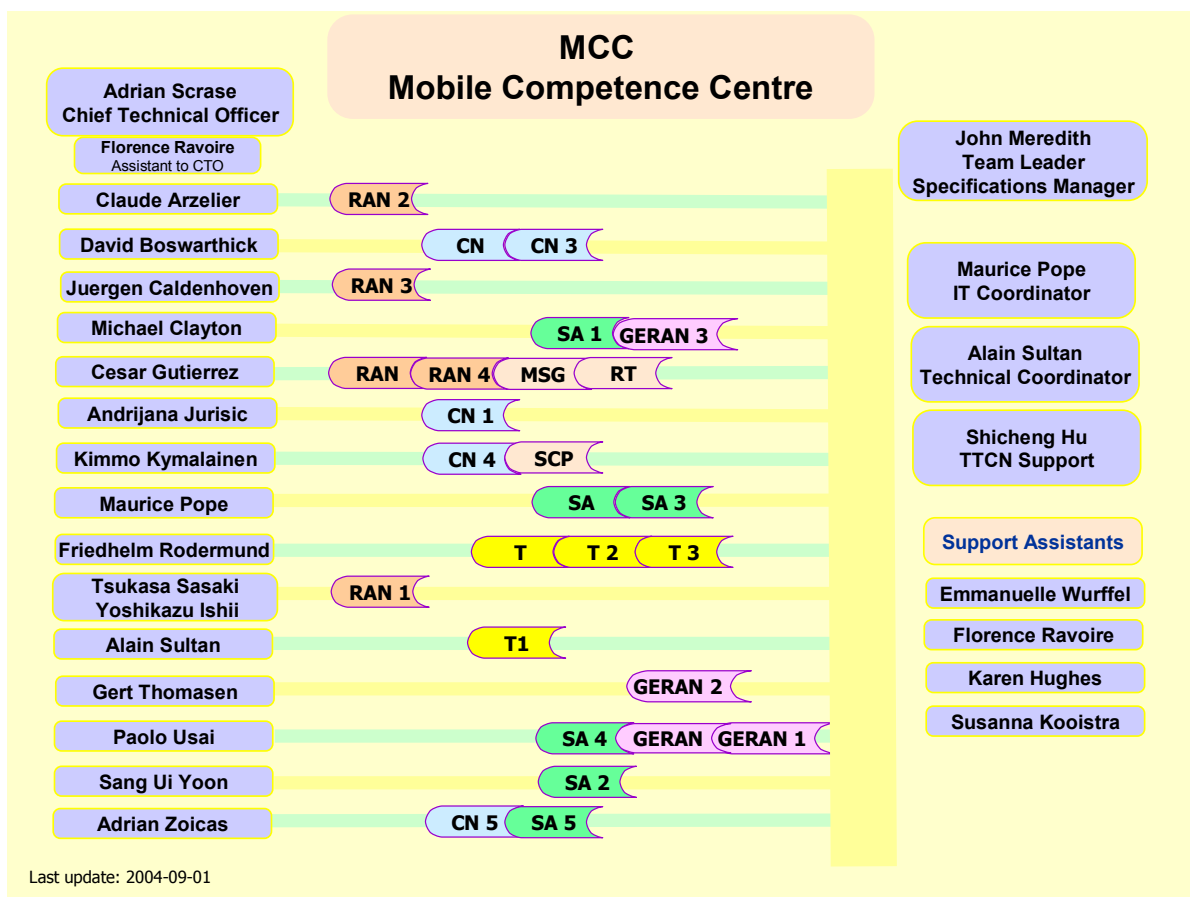


Figure 1: MCC Organizational Chart

### 3 Statistics and targets

#### 3.1 Interesting statistics (yes, really)

The distribution of active specs amongst the various Releases was, prior to the start of the September TSG meetings (#25), as follows:

**Table 1: Specs by Release**

CLASSIFICATION	NUMBER OF ACTIVE SPECS
GSM Phase 1	122
GSM Phase 2	182
GSM Phase 2+ Release 96	201
GSM Phase 2+ Release 97	220
GSM Phase 2+ Release 98	282
GERAN / UTRAN Release 99	440
GERAN / UTRAN Release 4	511
GERAN / UTRAN Release 5	571
GERAN / UTRAN Release 6	499
GERAN / UTRAN Release 7	11
<b>TOTAL SPECIFICATIONS</b>	<b>3039</b>

Approximately **294** new versions of specifications resulted from TSGs#25.

The table and chart below shows the number of approved change requests for these specifications across the different 3GPP Releases in each year of the 3GPP's life so far. In addition, approximately **1070 CRs** were approved during the TSGs#24 session. The table and chart below confirm that Release 99 is now very stable, with a continuing steep decline in the number of R99 CRs being brought to plenary. The same can be said for Rel-4. The CR rate for Rel-5 is diminishing at an encouraging rate too. Rel-6 CRs are levelling out, and if the models for the previous two Releases are followed by this Release, we can expect a reduction of Rel-6 CRs in subsequent plenaries. Of course, with the freezing of Rel-6, we can anticipate a sharp rise in Rel-7 CRs over the next few plenaries.

**Table 2: CRs by Year and Release**

Release / Year	1999	2000	2001	2002	2003	2004 to June	TOTAL
R99	1408	4398	2266	1003	581	287	<b>9943</b>
Rel-4	0	376	2828	1900	690	185	<b>5979</b>
Rel-5	0	27	644	3281	2840	1303	<b>8095</b>
Rel-6	0	0	0	171	1088	1063	<b>2322</b>
Rel-7	0	0	0	0	1	6	<b>7</b>
<b>TOTAL</b>	<b>3407</b>	<b>6801</b>	<b>7739</b>	<b>8357</b>	<b>7203</b>	<b>2844</b>	<b>26346</b>

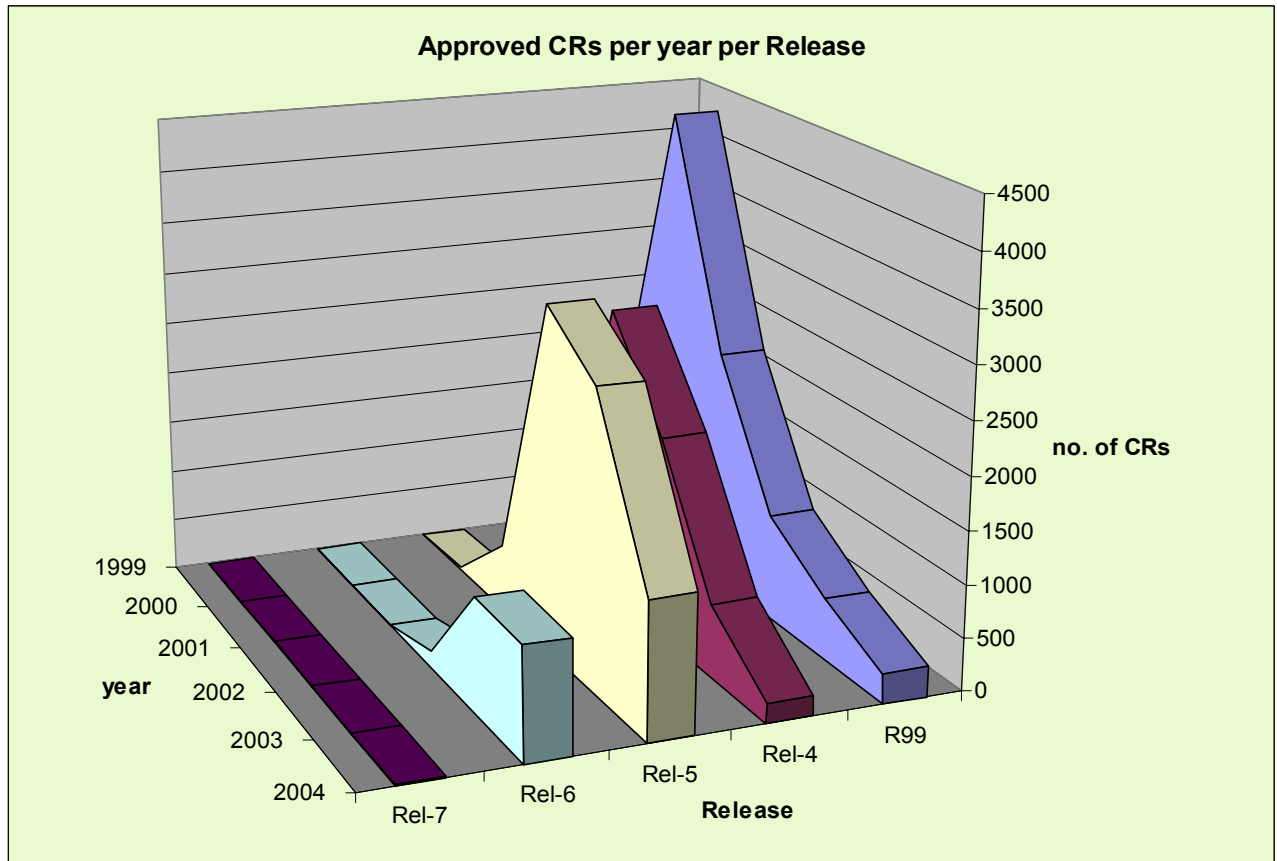
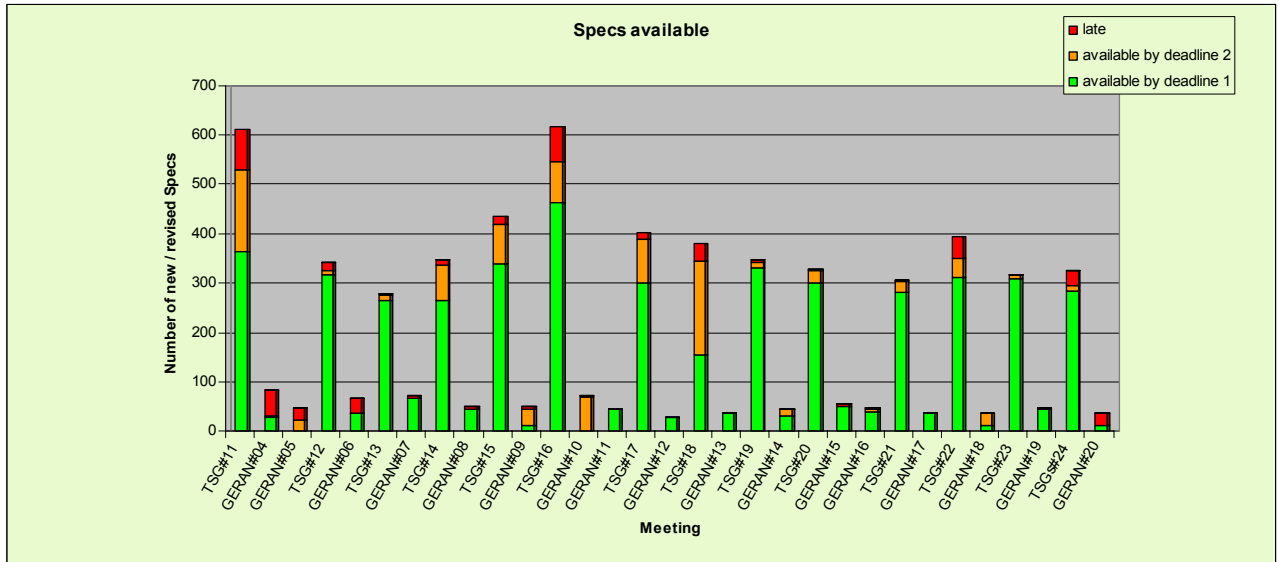


Figure 2: 3GPP CR evolution from 1999 to 2004

### 3.2 MCC performance

The chart below shows the speed of implementation of CRs. Performance is generally within the limits agreed with the TSGs (90% of revised specs available within two working weeks of the end of the SA meeting, the remaining 10% within a further week, allowing for resolution of implementation queries not identified earlier. For the most case, the very small number of specs which are later than this final deadline have, for the last few meetings, been as a result of forces outside the Support Team’s control (delivery of TTCN packages from member organizations). In fact, by appropriate prioritization, all specs have been made available in plenty of time for the next meeting of the responsible working group, so as not to delay their work, regardless of these formal deadlines.

The exceptionally large number of late revised specs following TSGs#24 was due to circumstances beyond the control of MCC.



**Figure 3: MCC spec production performance**

The chart below shows the cumulative error rate for the implementation of CRs. It can be seen that the error rate remains constant at approximately 3,5 errors in 1000 implementations (0,35%). Whilst every error is inconvenient for somebody somewhere, we believe that the present figure is acceptable. Doubtless the TSG and WG chairmen and delegates will tell us if they consider it not to be so!

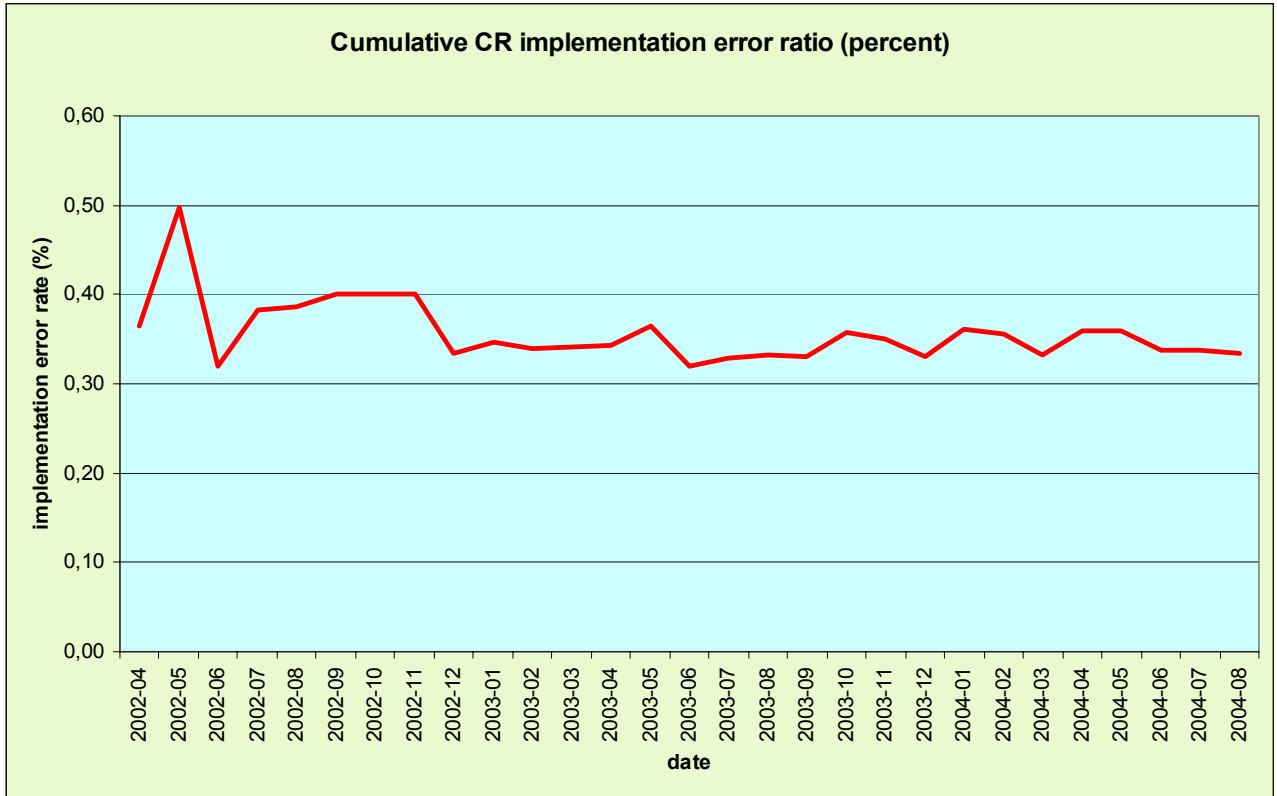


Figure 4: CR implementation error rate

## 4 Release Stability

### 4.1 Change Requests

The charts below show the rolling average of the number of Change Requests per Release but excludes Category A (mirror) CRs. The charts show the continued reduction in the number of CRs for Release 99, Release 4 and Release 5 which implies an increased level of stability. Release 6 CRs have perhaps reached their peak, though a further two quarters are necessary to confirm this, and a further increment might be anticipated following functional freezing of the Release.

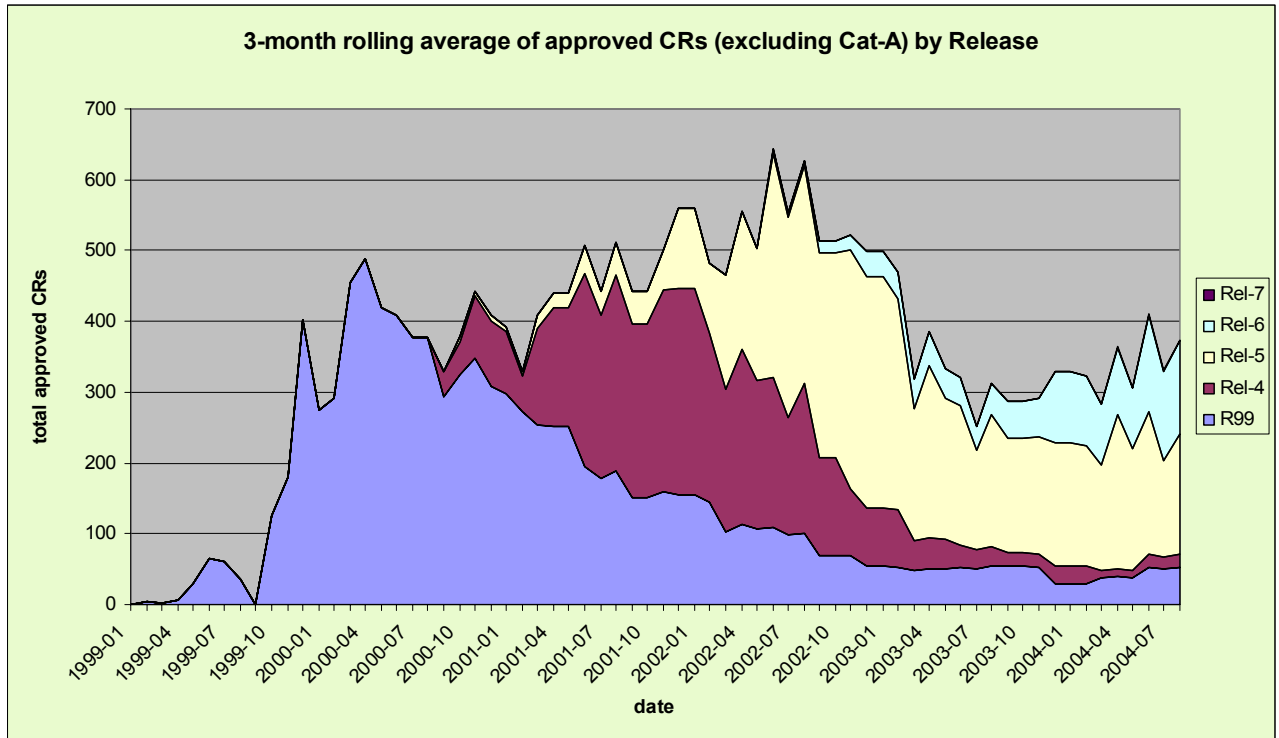


Figure 5: CR statistics (cumulative)

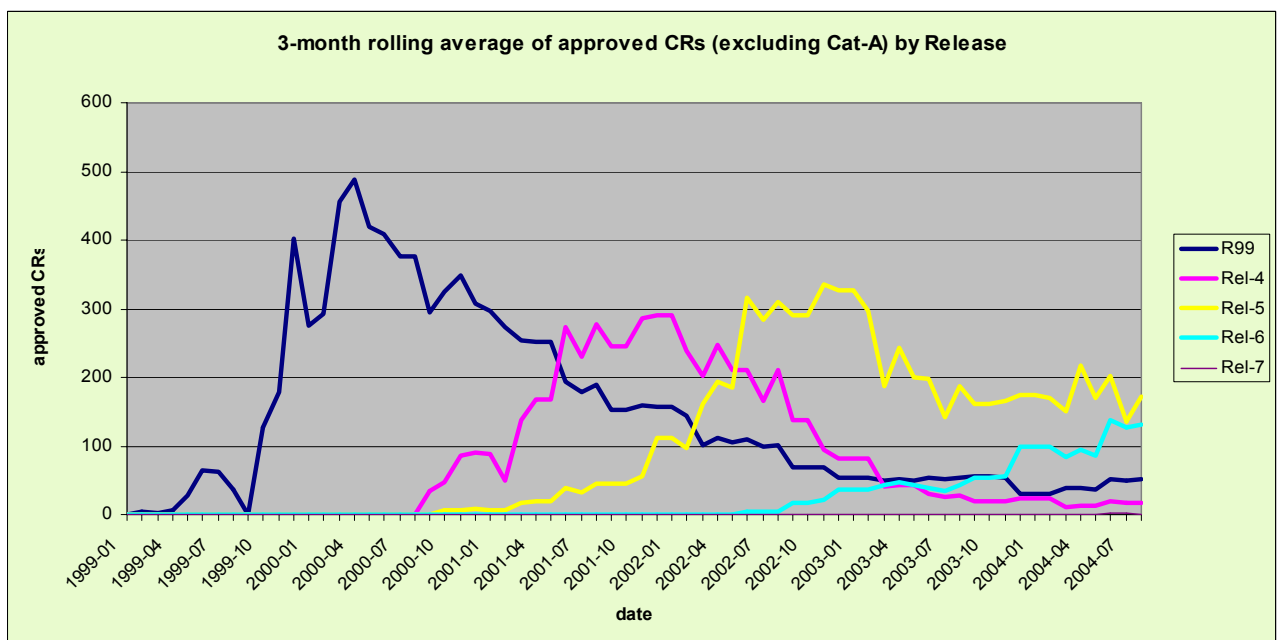


Figure 6: CR statistics

The figure below shows the overall workload on the Support Team related to CR implementation.

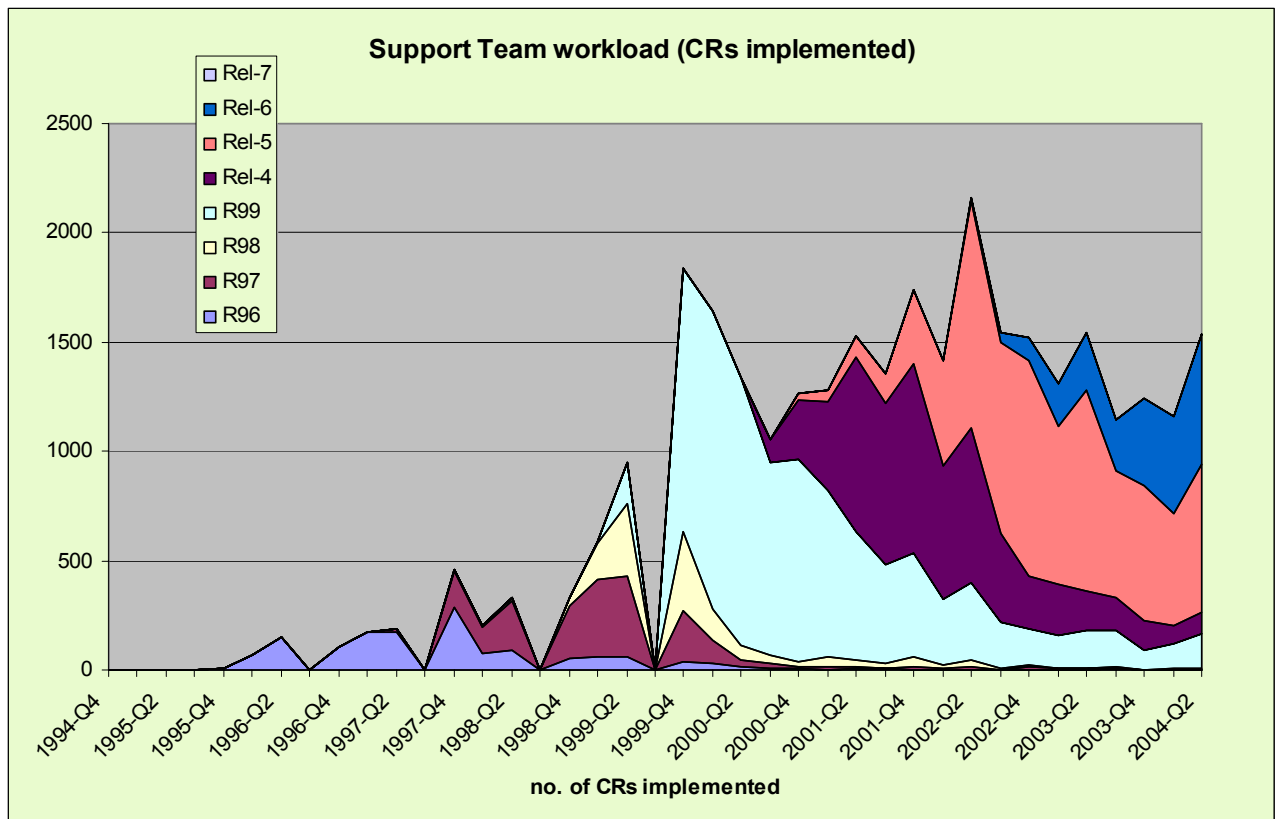


Figure 7: CR implementation workload

## 5 Budget 2005

A draft budget for 2005 has been prepared, based on retaining the same level of support in 2005 as currently within the Team. It has been assumed that any reorganization of TSGs will not result in an increase in costs.

## 6 Interesting information on the 3GPP web

There is a multitude of information contained within the 3GPP web site and it is not always to find precisely what you are looking for. The following links serve as a reminder of the type of information that is available.

The three documents describing the added functionality of Releases 99, 4 and 5 are to be found at [http://www.3gpp.org/ftp/Information/WORK\\_PLAN/Description\\_Releases/](http://www.3gpp.org/ftp/Information/WORK_PLAN/Description_Releases/). These have proved very popular.

The work plan is at [http://www.3gpp.org/ftp/Information/WORK\\_PLAN/](http://www.3gpp.org/ftp/Information/WORK_PLAN/) and can be found in several,



commonly supported formats.

A composite work plan at <http://www.3gpp.org/ftp/Specs/html-info/GanttChart-Level-2.htm> provides hyperlinks to the Work Item Description document, both current and historical. You can also obtain lists of CRs associated with each work item, a list of Specs associated with a given work item, etc. From those lists you can link to the pages of individual specs and of individual CRs.

Each 3GPP Spec has its own web page, accessible via <http://www.3gpp.org/specs/numbering.htm> and from it you can get to an individual version of the spec, the file server directory containing all available versions of that spec; to the home page of the WG which owns it (and from there to all the work items and all the specs under the control of that WG); to the CR database extract for that spec, listing all CRs pertaining to it, and from that to the individual TSG Tdocs containing the CRs themselves; and to the genealogy of the individual spec.

## **7 Concluding remarks**

MCC continues to work well providing an appropriate level of support to the TSGs. The focus for the remainder of this year will be on the training and integration of new MCC members.