To: **ETSI MEMBERS, OBSERVERS AND COUNSELLORS**

Subject: **Call for Experts for MCC task 160 on 3GPP UE ATS maintenance**

> Note: this letter may be of particular interest for your technical experts on
> 3GPP UE conformance test in TTCN

Dear Madam,
Dear Sir,

We are recruiting experts to enhance the MCC task 160, according to the Terms of Reference in Annex A.

Nearly 800 test cases have been developed by MCC task 160 in TTCN for the R99 UE conformance and interoperability. The highest prioritised package 1 test cases will be soon verified and approved. 3GPP test industry is continuously making big efforts to accelerate the 3GPP TTCN test verifications. In view of maintenance of the approved test cases in package 1 and the test cases in packages 2, 3, and 4 to be approved by 3GPP, three new TTCN experts are required in MCC task 160.

The candidates should have deep 3GPP protocol knowledge at the Uu and Um interfaces, well understand the protocol test standards specified by 3GPP TSG T1, and have a good skill at writing of the TTCN test cases.

The Team is based at the ETSI Headquarters in Sophia Antipolis, where the Secretariat is offering leadership, technical support and co-ordination. The activity will be organized in sessions, along the duration of the project, so that the experts can carry out their normal work in their own organisations. Considering the above information, we kindly ask you to propose candidatures to the ETSI Secretariat before **15 July 2003.**

The candidature must include the Curriculum Vitae of the candidate, in English, together with the questionnaire in Annex B1 (and B2 if applicable), duly completed.

Candidatures should be sent to Mrs. Christine Voulgre at the following e-mail address: christine.voulgre@etsi.org .

A short list of candidates will be set up in agreement with 3GPP TSG-T / T1 **leadership.** These candidates will be invited to attend a one-day Preparatory Meeting provisionally scheduled on **25 July 2003** to select the TTCN experts.

Yours faithfully,

K.H. Rosenbrock
Director-General

Encl

Contacts:

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For further information see also:
STF home page
STF experts' recruitment conditions
STF experts' contractual conditions
Open Call for Experts
Travelling to ETSI

ANNEX A

Terms of Reference For MCC Task 160
Producing 3GPP ATSs / PIXIT/ for UE

1. Reasons for proposing the Task

The MCC task 160 was setup in June 2000 under the responsibility of 3GPP TSG-T / T1 for the development of TTCN test cases for R99. The team consists of the skilled protocol / TTCN experts coming from ten companies of four 3GPP partners. Since then more than 500 TTCN test cases have been drafted for the UE conformance testing.
The funding of an expert team as MCC task force has proved to be the most efficient and cost-effective way to develop the test specifications. In order to stabilise and to maintain the all available TTCN ATSs and to develop new TTCN test cases for R99, Rel 4 and Rel 5, the MCC task 160 should continue. PCG/OP have approved the TSG T / T1 request and granted funding for 2002 and 2003 for the MCC task.

2. Consequences if not agreed

All test cases produced by the Task will mainly qualify an UE for worldwide roaming and interoperability with the 3GPP networks. Without such tests the UE interoperability cannot be guaranteed. Should the Task not be installed in a timely manner, a delay of the 3GPP conformance test specifications in R99, Rel4 and Rel 5 would be accounted. Such a delay is unacceptable by the 3GPP markets.

3. Detailed description

3.1   **Subject title**: 3GPP TTCN specifications for UE R99, Rel 4, Rel 5.

3.2   **Reference Technical Body**: 3GPP TSG T / T1

3.3   **Other interested Technical Bodies**: 3GPP TSG RAN(2), TSG CN(1), TSG GERAN(4) and GERAN(5) , ETSI MTS

3.4   **Target dates for the start of work**: Jan. 2002

3.5   **Target dates for the conclusion of the work**: Dec 2003

3.6   Resources required

3.6.1   Necessary manpower

The total resources required for the Task are 116 mm, split as follow:

		2002	2003
R99	Maintenance of existing test cases	22	11
	Intersystem / Inter RAT HO	6	
	High chip rate TDD	10	2
Rel-4	Low Chip Rate TDD	14	13
	ROHC PDCP	4	-
	Inter RAT HO	-	3
	Enhanced Radio Bearer	-	3
	Facsimile and emergency call enhancements	2	-
Rel-5	L2 ARQ II/III	-	3
	Voice over IP	-	15
	HSDPA	-	5
Rel-indepd.	UMTS 1800 /1900	**-**	3
		58	*58*

3.6.2   Estimated costs, additional to the manpower
▪ Expected travels within Europe: 4 travels/ year
▪ Expected intercontinental travels: 5 travels/ year
▪

3.6.3   Qualification required, mix of skills

The experts should have deep 3GPP protocol knowledge at the Uu and Um interfaces and good skill at writing of the TTCN test cases.

3.7   Scope of Terms of Reference

The technical areas of the Task cover the conformance test specifications for UE both at the radio access for MAC, RLC, RRC layers and for non-access L3 protocols SMS, MM, GMM, SM and CC. The TTCN being developed should meet the UE requirements supporting voice call, Emergency call, SMS, Fax, CS data up to 64 kb/s and PS data services .Among these are:
▪ Development and maintenance of MAC, RLC, PDCP, BMC ATS in R99, Rel 4 and Rel 5,
▪ Development and maintenance of RRC ATS in R99, Rel 4 and Rel 5,
▪ Development of test cases for auto-calling restrictions and multiple radio access system cell selection/re-selection and hand-over in R99, Rel 4 and Rel 5,
▪ Development and maintenance of NAS ATS in R99, Rel 4 and Rel 5
▪ Drafting an ATS design document describing the test model, interfaces, styles and specifying PIXIT pro-forma,
▪ Project co-ordination management and quality assurance,
▪ Assisting the updating test descriptions and ICS.
▪

3.8   Context of the tasks

The ATSs and 34.123-3 is the 3rd part of TS 34.123.
▪

The first part of TS 34.123 specifies the test structure, test purposes and give each test case a prose description. The second one specifies necessary ICS questions for UE manufacturers on the UE capabilities and the test case applicability.

3.9   Related activity in other bodies and necessary co-ordination of schedules

Changes in TS 51.010 of GERAN 4 and GERAN 5 and the stability of the relevant core specifications of CN1 and RAN2, especially changes in TS 25.331, will have impact on the progress of the Task.

3.10   Base documents and their availability

- TS 23.022: Functions related to Mobile Station (MS) in idle mode and group receive mode
- TS 24.008: Mobile radio interface layer 3 specification, Core Network Protocols - Stage 3
- TS 25.321: MAC protocol specification,
- TS 25.322: RLC protocol specification,
- TS 25.331: RRC protocol specification,
- TS51.010-1: Mobile station conformance specification,
- TS51.010-2: PICS pro-forma,
- TS51.010-3: L3 Abstract Test Suites,

3.11   Work item from the ETSI Work Programme for which the Task is required
DTS/TSGT-0134123-3U

3.12   Expected output(s)
TS 34.123-3: Abstract Test Suites

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- Version 3.0.0 (R99): March 2002
- Version4.0.0:Dec.2002

ANNEX B1 – Organization / Company proposing the candidature for MCC Task 160 on 3GPP UE ATS maintenance (C.L. 2255)

Please return to Mrs. Christine Voulgre at the following e-mail address: christine.voulgre@etsi.org, together with the CV of the candidate, **before 25 July 2003**

Note: Candidatures must be proposed by 3GPP Members or formally supported by 3GPP Members. If the candidate is selected, the contract will be made with the Organization proposing the candidature, as indicated in this Annex. Contracts can be made only with registered Organizations and Companies, not with individuals.

Please replace the explanatory text with the actual information.

Organization/Company proposing the candidature:

3GPP Member: yes   registered membership name
3GPP Member: no   complete Annex B2

Person proposing the candidature: **Role:**
e-mail: (mandatory)
The person in the Organization who is responsible to authorize the secondment of the candidate to ETSI if he/she is selected.

Candidate: Title, First name, Last name   **e-mail:** (mandatory)

Expected availability for the duration of this project (see ToR):
Indicate the availability of the candidate with respect to the requirements indicated in the ToR, e.g. number of days/months that can be offered, percentage of time, availability to work in sessions, over continuous periods or both, unavailability periods.

Specific experience in relation with this project:
Provide information to assess the qualification of the candidate with regard to the specific requirements of the project. In addition to the CV, this element will play an essential role for the pre-selection of the candidates to invite to the Preparatory Meeting.

Experience in standardization areas related to this project:
Indicate the candidate's standardization experience in ETSI and/or other organizations and, in particular, if he/she is actively involved in the work of TSGT or other related bodies.

Motivation to participate in the project
Indicate the interest of your Organization to be involved in the MCC Task160 work.

Remarks:
Provide here any additional information to assess the qualification of the Candidate for this project or any special requirement of the Organization with respect to MCC Task160 working methods.

ANNEX B2 – Nomination from 3GPP Member to support a candidature for MCC Task 160 on 3GPP UE ATS maintenance (C.L. 2255)

(required if the Organization / Company proposing the candidature is not 3GPP Member)

Please return to Mrs. Christine Voulgre at the following e-mail address: christine.voulgre@etsi.org, **before 25 July 2003**

Note: experts are seconded preferably by 3GPP Members. Experts formally supported by Members may be recruited if a suitable candidate from a 3GPP Member is not available. ETSI will make the contract directly with the Organization seconding the expert, as in Annex B1. The Member supporting the candidature takes the moral responsibility that the competence of the candidate is suitable for the success of the project.

Please replace the explanatory text with the actual information.

3GPP Member supporting the candidature: registered membership name
Person supporting this application*:   **Role:**
e-mail: (mandatory)

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* If not the Official contact, the ETSI Secretariat will inform the Official contact of the Member

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Candidate: Title, First name, Last name

Reasons for supporting the candidature:
Indicate the motivation of the Member to contribute to this standardization area and provide elements of your assessment the qualification of the candidate.

Activities performed by the Candidate in relation with the Member:
Indicate the activities performed by the candidate or his/her Company in co-operation with or on behalf of the Member, the period of time and the nature of the relationship (employee, sub-contractor, partner, etc.).

Remarks:
Provide here any additional information.