Agenda item: **7.2**

Document for: **Discussion, Information**

3GPP TSG-T1 #5
Sophia Antipolis, France, 9-10 December 1999

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3GPP TSG-T2 #7 / ETSI SMG4
Ystad, SWEDEN, 22-26 November 1999

TSGT2#7(99)1083

TO:	T1
Source:	T2-SWG6 and T2
CC:	TSG-T
Title:	LS to T1 in response to questions regarding terminology differences – Mandatory and Optional
Document for:	Discussion and Information

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INTRODUCTION

This LS is a response to questions raised during the T1 Plenary meeting of Sept 16-17 as they were relayed by the T1 Chairman to the T2 SWG6 meeting of October 4-6; and it proposes a set of terms which hopefully will be a common basis for usage between T2 and T1.

DISCUSSION

At the last SWG6 meeting in Kyungju on October 4-6, during the discussion part of the agenda item "Update by each Liaison Officer" in the T1 section, the Chairman of T1 reported on some discussion that took place during presentation of TR21.904 (Terminal Capabilities Report) at the last T1 Plenary meeting in Kobe, Sept 16-17. He mentioned that the discussion led to some confusion regarding the use of the terminology of Mandatory and Optional in TCR, it seems to be different than how it is used in T1.

At the T2 SWG6 meeting of Nov 22-26, 1999, the issue of terminology usage was considered, and a set of terms proposed and adopted by T2 SWG6 and T2. These terms were designed to not use the terms Mandatory and Optional (since these terms convey the attributes of Requiredness for different Countries/Regions including their Regulatory purposes) yet provide terminology which could be used to distinguish between the 3GPP-Specification-related needs of essentiality or not as they relate to baseline and service capabilities.

The following paper describes the background, rationale and the terms adopted in T2.

T2 and T2 SWG6 would like to recommend to T1 to consider adopting the terms and their potential usage not only for T1-T2 joint purposes, but also within T1 if so desired.

Terminology

Introduction

In TR21.904, terminology such as "mandatory", "optional" and "conditional" are currently used to describe the level of requirement. However none of them seems to be defined clearly in 3GPP document.   Also "mandatory" is used in various places in 3GPP documents in inconsistent manner.   It is noted that following discussion took place in the last T Plenary meeting in Korea (TP-99225).

"Following discussions in the TSG T plenary meeting, it was decided that there was a need for clarification of the use of the term "mandatory" in 3GPP documents.

- The term "mandatory" is associated with regulatory requirements, and should not be used in 3GPP specifications. It may however, be used in reports describing regulatory requirements. Given that, the term "mandatory" is in common use in 3GPP working groups, but that there is no common understanding of what is meant by the term, we propose that its use should be replaced by the term "Core Requirement" when describing functionality which is essential for the proper operation of the 3G system.
- Core Requirements in the terminal can be conditional on that terminal's ability to support a specific function or service. Thus, there are certain Core Requirements of a terminal supporting only the baseline functionality (i.e. not supporting any service(s)). A terminal supporting a given service will have additional Core Requirements."

However the outcome of SA meeting which followed the T Plenary meeting was not clear.   Its draft minutes (T2-991015) states as follows.

"TSG T suggest that the term "mandatory" in testing specifications should be replaced with the "core" specification. This caused some comments and questions from the TSG SA delegates. It was suggested that these comments be made directly to TSG T, as they consider this to be the best solution. In general, TSG T believes the term "mandatory" should be avoided in test specifications and should only be used for regulatory mandates."

Discussion

In order to avoid further confusion in our report TR21.904 as well as in other 3GPP specifications/reports, terminology to describe the level of requirements should be clearly defined and commonly used throughout all 3GPP documents.

Following the decision by SA to produce and maintain sole and common vocabulary document (TR21.905) in 3GPP, following the request by Mr. Michele Zarri (T2-991019), SWG6 aims at including key terms and definitions in the common vocabulary document TR21.905.

Terminology Adopted by T2 SWG6 and T2

Following terms and conditions have been agreed in SWG6 and T2 Plenary, and T2 further has agreed to send appropriate LS to S1 proposing that these terms and definitions be included in TR21.905.

Mandatory UE Requirement; Regulatory requirement which is applicable to 3G UEs.   It is determined by each country/region and beyond the scope of 3GPP specification.
e.g. Spurious emission in UK

Essential UE Requirement (Unconditional); Requirement which has to be implemented in any 3G UE in order to exist in and communicate with 3G network.
e.g. Chiprate of 3.84Mcps

Essential UE Requirement (Conditional) ; Requirement which has to be implemented under certain Service conditions.
e.g. AMR codec in UE which supports speech service

Optional UE Requirement ; Any other requirements than 3 requirements listed above.   It is totally up to individual manufacturer to decide whether it should be implemented or not.
e.g.

Although it was suggested in the last T Plenary meeting to use "Core Requirement" instead of "Mandatory", it may be confusing as similar term "Core Specification" has been used at least in T2 in completely different meaning.