

**Source:** TSG-T1, T2, T3

**Title:** LS regarding Service Development Process

**Agenda Item:** 7.2

**Document for:** Information

**To:** TSG-T

**Cc:** TSG-RAN, TSG-CN, TSG-SA

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## Introduction

The following text and diagram (page 2) has been elaborated by TSG-T2. Other TSGs are invited to comment.

It is understood that a service or feature shall be initiated and decided between operators and manufacturers in the TSG SA in the Working Group Services (WG-SRVC).

## Service Development

A decision on a specific service or feature requires at least the support of four individual companies. As a result the WG SRVC will then create the stage 1 description. Once this has been done then other groups like System Architecture takes over. The SA group has to check whether the service or feature fits into the overall concept of all network related elements or additions to the existing model will be needed.

## Service Description

Later on the TSG RAN start to define and specify all Layer 1 (this is the physical layer according the ISO model), the Layer 2 and part of the Layer 3 (i.e. Radio Resources) aspects. This shall be in line with the understanding of also the TSG CN because this TSG CN will have a look at some aspects from Layer 3 from a network point of view (e.g. Call Control/Mobile Management/SM). Finally TSG-T WG2 can come up with proposals and solutions for the application level.

## Specification structure

For reasons of compatibility and overall correctness in a specification one will find all relevant parts for the relevant layer described in full detail. For example, in the layer 1 protocol the behaviour of both mobile station and base station shall be described. This is necessary so that both implementations can be corrected or changed in the same manner at the same time. This is very essential for a the sake of a stable system.

From the conformance testing point of view at least the essential requirements shall be highlighted in all relevant specifications. Provision of proposed test cases (e.g. PICS<sup>1</sup> could be used in the protocol

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<sup>1</sup> PICS = Protocol Implementation Conformance Statement

area) from those who write core specifications will be appreciated. Proposals will be then dealt with care inside TSG-T1.

In the following example you can see the relation between the mobile station implementation and the corresponding implementation in the base station. Only the physical layer 1 is connected to each other. The higher layers depends on a correct implementation of the lower layers.

