

Source: T1
Title: Creation of TR 34.902 on measurement uncertainty
Agenda item: 5.1.3
Document for: Information

1. Introduction

During the last year there has been considerable effort by several companies to understand and define the way in which test system uncertainties should be handled for the more complex tests such as the multi-cell RRM tests in section 8 of 34.121.

In the simpler tests, the relationship between the test equipment uncertainties, the test tolerances and the modified minimum requirements was often very simple requiring no further explanation. There are some cases involving multiple signals such as the intermod tests where the relationship is not so obvious but still explainable in a few words. But the solutions being worked on for RRM are very complex using multi-page spreadsheets that require significant explanation to be used correctly. Currently, 34.121 provides no real way to document where any of the figures came from.

2. Proposal

It is proposed that while those contributing to this difficult area are still focused, that an 800 series (not published) TR, or perhaps even a published 900 series TR if deemed worthwhile, is developed to capture all the valuable background information that has been generated in solving this problem. The report would need to include active spreadsheets and would first concentrate on the RRM tests although there are some earlier test tolerances developed as part of the RAN WG4 TEM ad hoc process that would benefit from being more fully documented.

It is not intended that the creation of such a document would in any way hinder the progress that still needs to be made, but instead be a repository for the ongoing analysis, which would enable future work in this area to be more accessible than if we just documented the end result and lost the background information.

Note from MCC: the above proposal was accepted at T1#20, and a first version of the document will be available as TR 34.902 v.0.0.0 at T1#21