

**Source:** Nokia  
**To:** TSG RAN WG2  
**Copy:**  
**Title:** Draft LS on the support of secondary scrambling codes and phase references  
**Contact:** Jussi Kahtava  
Jussi.kahtava@nokia.com  
+ 81-3-5759-7471

---

TSG RAN WG1 made clarifications to the use of some physical channels with respect to the phase references and scrambling options to be supported. This was done in order to simplify the system and to avoid inter-operability problems due to different interpretations of the possible combinations.

#### **1. Secondary CPICH as a phase reference**

In TSG RAN WG1 meeting it was agreed that the unnecessary option of having secondary CPICH as a phase reference for PCH and CPCH indicator channels was removed. Thus, the primary CPICH is to be a phase reference for S-CCPCH carrying PCH, AP-AICH, CD/CA-ICH and CSICH.

#### **2. Secondary scrambling code use in downlink**

It was also agreed to narrow the options on scrambling codes that are used for PICH, AICH, AP-AICH, CD/CA-ICH, CSICH and S-CCPCH carrying PCH. These downlink channels are always transmitted using the primary scrambling code.

TSG RAN WG1 kindly asks TSG RAN WG2 to reflect these restrictions in their specifications.