

**Agenda Item:**

**Source:** TSG RAN WG1  
**Title:** Liaison Statement on Length of SFN  
**To:** TSG RAN WG2 and TSG RAN WG3

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TSG RAN WG1 approved that the SFN should be a physical layer field within the PCCPCH.

WG1 wishes to have CRC applied to this L1 information together with the BCH transport channel blocks and WG1 would like to receive indication from WG2 whether WG2 sees some problems with such a concept.

In order to fix SFN coding scheme, it is needed to clarify requirement of SFN length. WG1 would like TSG RAN WG2 and WG3 to clarify the requirement of SFN length in each WG, taking usage of SFN into account. WG1 is assuming following usage of SFN and required length,

- 1) To detect super frame period i.e. 0-71.
- 2) To designate timing of physical channel switching for change of radio bearer by signalling, i.e. period of a few seconds.
- 3) Long interval DRX (Discontinuous Reception), i.e. several times of superframe period.
- 4) To synchronize for ciphering between UE and network, i.e. several ten seconds?

Tentatively, WG1 are assuming SFN length of 12 bits taking above 1) – 4) into account. If there are any misunderstanding in above 1) – 4), or if our assumption of usage is not enough, please suggest us.