

Source: TSG RAN WG3
Title: Liaison Statement Concerning Length of SFN
To: TSG RAN WG1
Copy: TSG RAN WG2

At TSG RAN WG3 meeting #6, the liaison statement concerning the length of SFN was received from WG1, Tdoc R3-99914. WG3 acknowledges the interest from WG1, and would like to answer from a WG3 perspective.

The WG3 requirement on the length of Cell SFN is that it should be 2^n bits, in which $n \geq 8$. Hence, the WG1 proposal of a length of 12 bits, giving a range of 0-4095, is accepted by WG3. The largest distinguishable interval of time between nodes in UTRAN will then be around 40 seconds, which we consider to be a good compromise between L1 capacity waste and, e.g., long paging intervals.

This implies that RNC Frame Number (RFN) and Node B Frame Number (BFN) also are defined with an identical range as SFN (0-4095).