Title: **Early UE handling using 4.10**
Source: **NEC**
Document for: **Discussion**
Agenda:

In order to allow the network to trigger procedures for new mobiles entering the network the problem that is detected for old mobiles is first linked (in the standards forums i.e. RAN2) to a bit in a RRC message. This 'bit' is then populated by the UE manufacturer with the agreement of the Operator after ensuring the mobile doesn't have the problem (i.e. via IOT).

NEC is of the opinion that these bits should be presented as early as possible in RRC signalling before UTRAN can trigger specific handling. This leaves only one major message (RRC CONNECTION REQUEST) which has a limited payload possibility.
NEC doesn't rule out the possibility of supplying information later on in the signalling phase to UTRAN. However, NEC believes that the remaining bits in the RRC CONNECTION REQUEST message should be specifically reserved for problems related to the critical phase of connection establishment, whereas bits or data in other messages should be reserved for less critical procedures.

Albeit these issues are RAN2 stage 3 associated, NEC believe that RAN should be informed of these limitations/issues associated to signalling payload and the eventual difficulties which operators and network manufacturers will be faced with when problems occur early in the establishment of the RRC connection and the handling of the radio interface.