Agenda Item:  14.4,  RRC message parameters

Source: Motorola


# New IE required to support multi-frame page messages

## 1.0 Introduction

The requirement for multi-frame paging and details of its usage were described in a companion paper [1]. Section 2.0 of this paper introduces changes to the RRC messages and information element tables required in order to support multi-frame page messages.


## 2.0 Modifications to 25.331

### 2.1     New information elements

A new Transport Channel information element is required which gives the UE the information required for it to read the PCH transport channel.   It is proposed that the following should be inserted in 25.331 in a new section:


10.2.5.X  Idle mode PCH info

This IE includes the information required in order to read the PCH transport channel.


| Information Element/Group name | Presence | Range | IE type and reference | Semantics description |
|---|---|---|---|---|
| Paging message duration | M | | Integer | This indicates the number of 10 ms frames over which a paging message is transmitted. |
| DRX Cycle length | M | 0 to <maxCNdomains> | Integer | This indicates the frequency with which paging occasions occur |


| Range Bound | Explanation |
|---|---|
| *MaxCNdomains* | Maximum number of CN domains |

Table 1) Description of the new information element


### 2.2     Modification to System Information message

It is proposed to send the 'Idle mode PCH Info' on  the SYSTEM INFORMATION message as shown below:

| Information Element | Presence | Range | IE type and reference | Semantics description |
|---|---|---|---|---|
| : : | | | | : : |
| **Transport Channel information elements** | | | | |
| : : | | | | : : |
| Idle mode PCH Info | M | | | |
| | | | | |

Table 2)  Required modification to RRC message

# 3.0 References

[1] Motorola , TSGR2#6(99)841 'Support of multi-frame page messages'