

FIG. 1

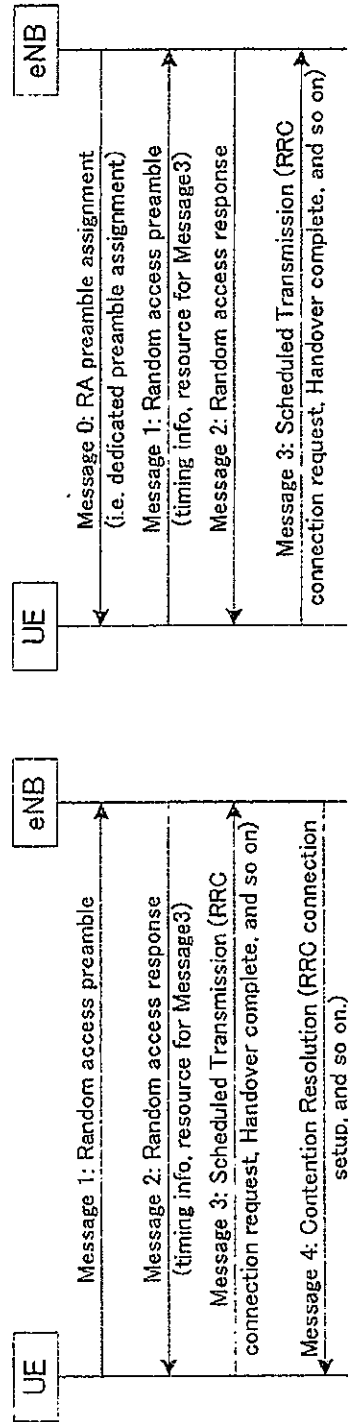
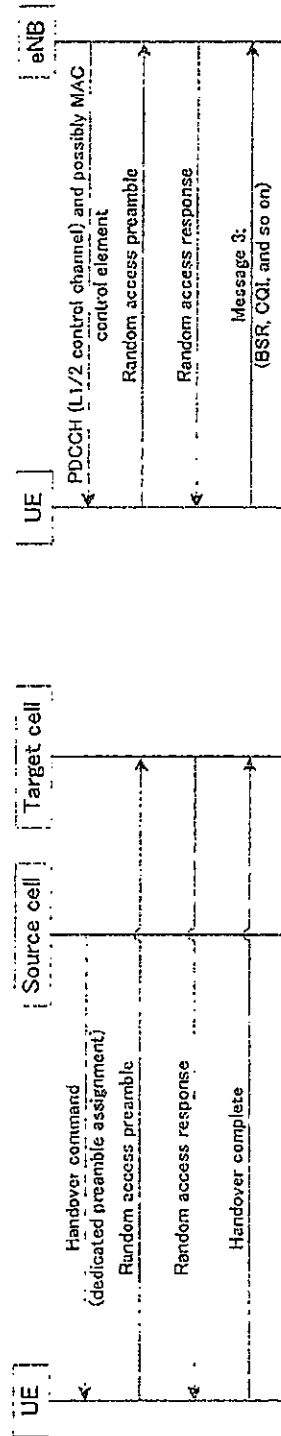


FIG.2

Note.
 Handover command is a generic term to show message which indicates handover to UE. Then, Handover complete is also a generic term to show message responded to Handover command.
 In LTE, RRC Connection Reconfiguration message and RRC Connection Reconfiguration Complete message are defined for this purpose.



(a) Handover complete transmission

(b) DL data resuming

FIG. 3

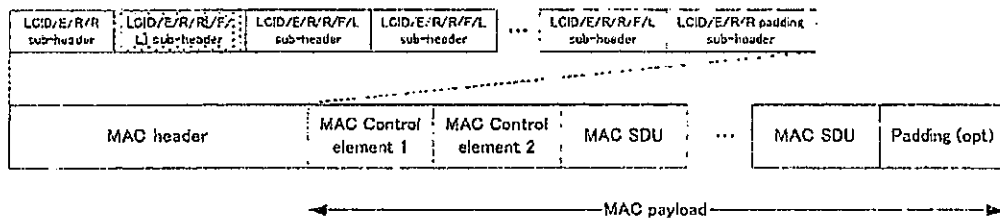
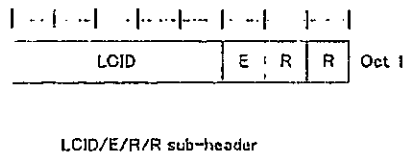
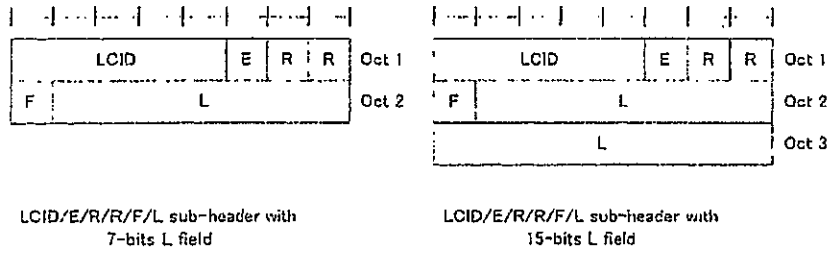


FIG.4

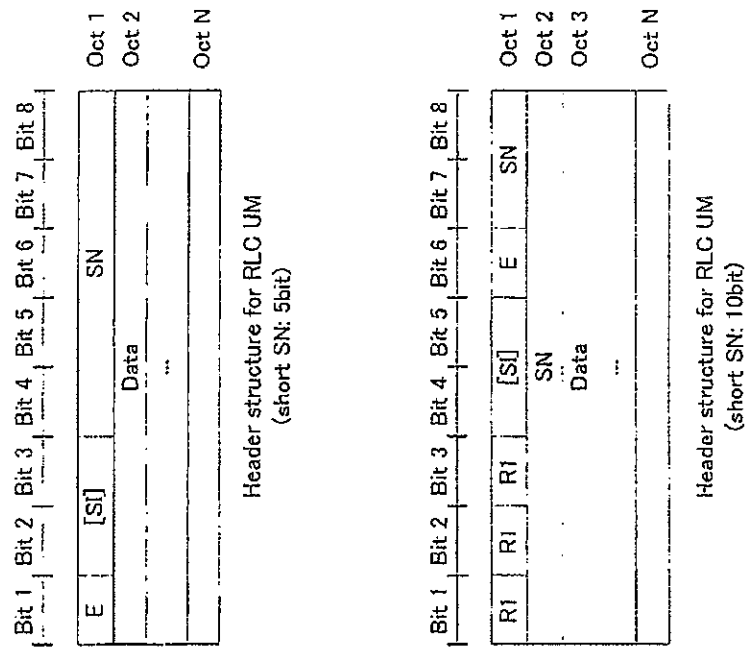


FIG.5

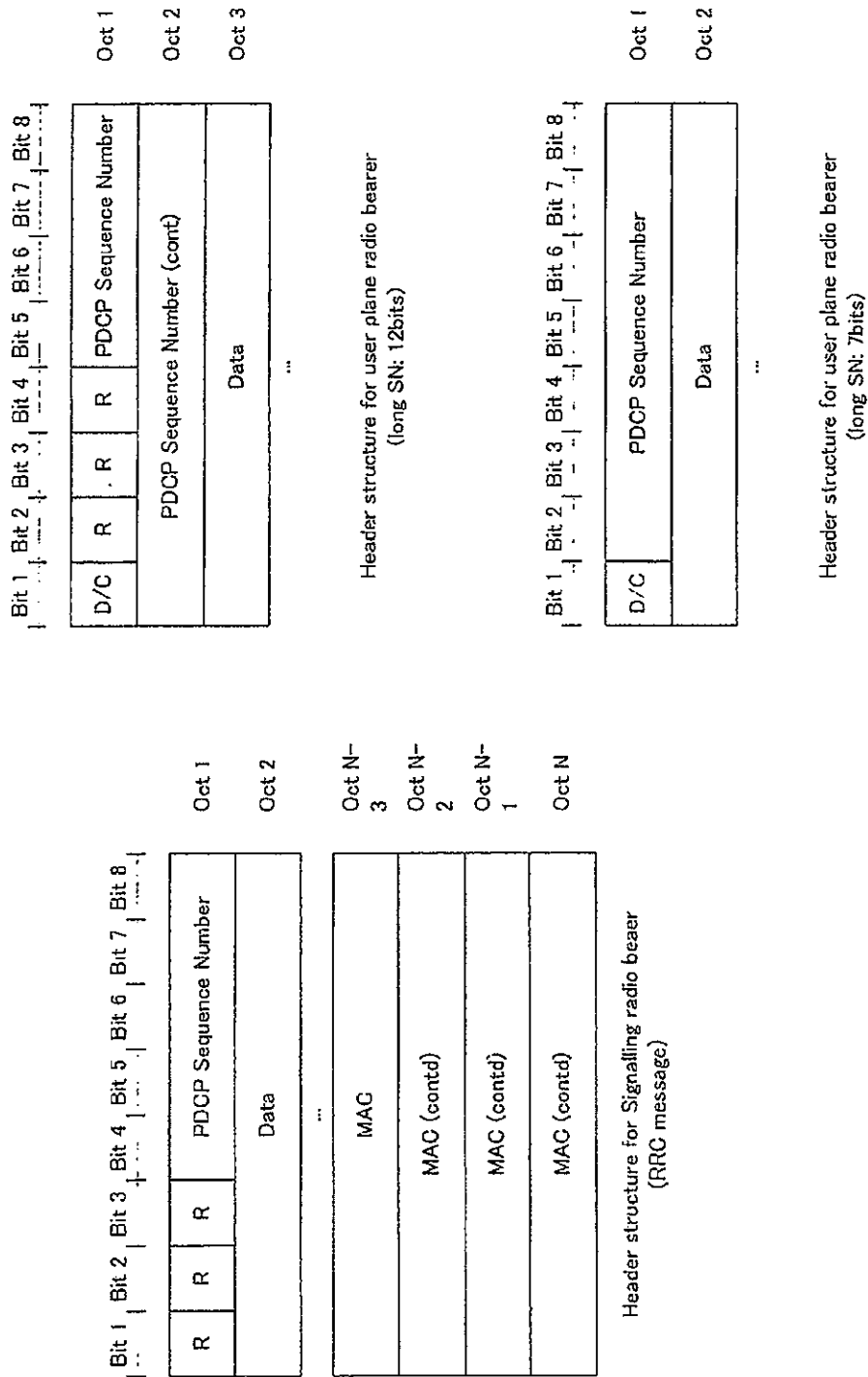
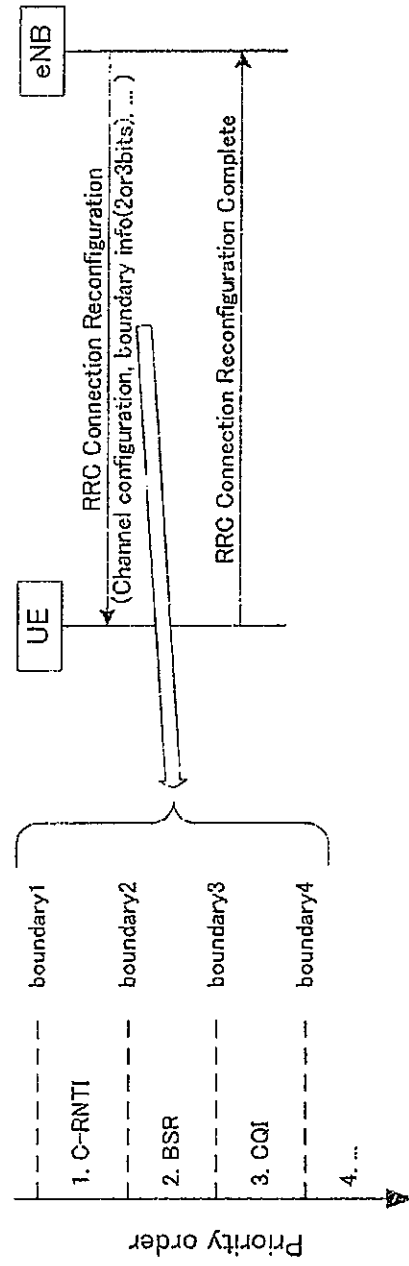


FIG. 6



(a) priority order of MAC control elements

(b) signalling of boundary info

FIG. 7

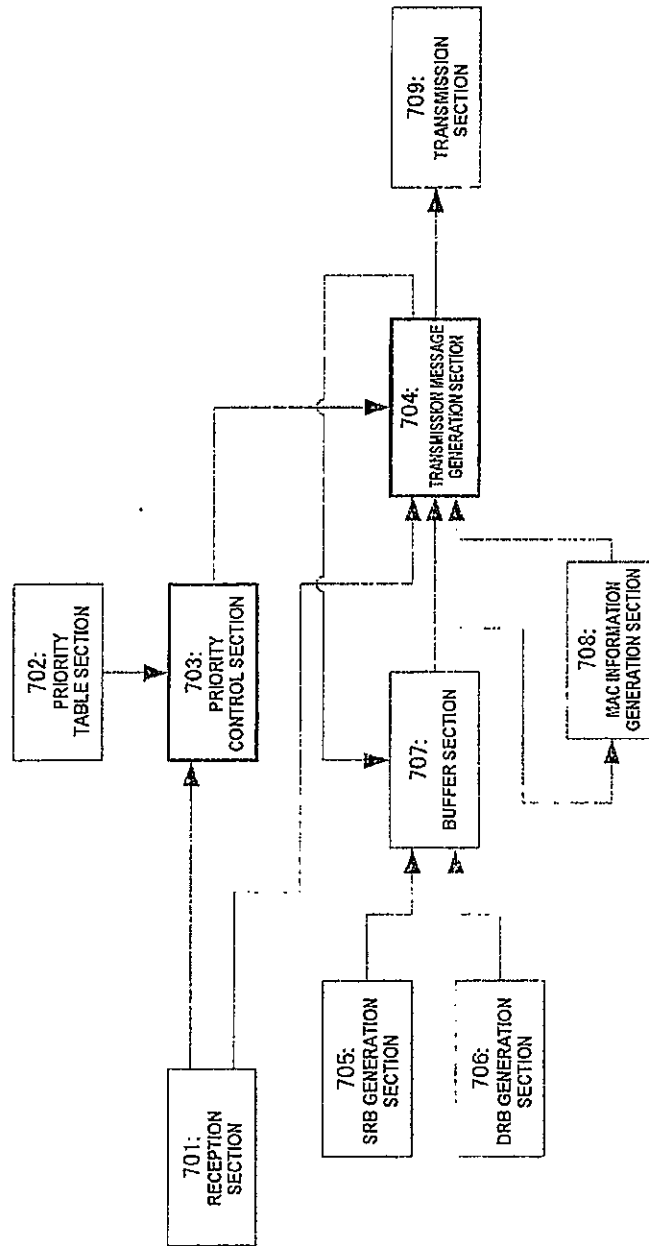


FIG. 8

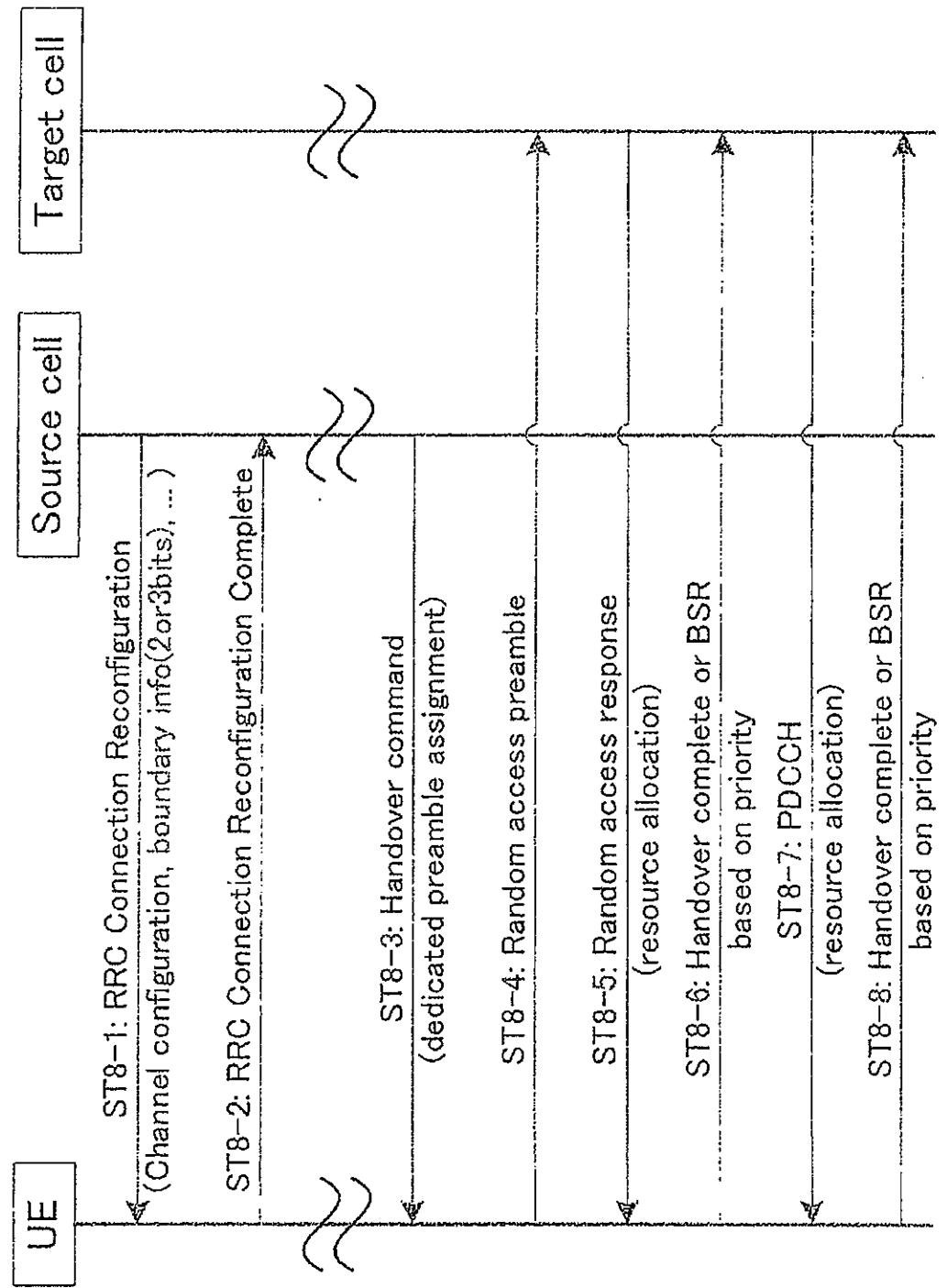
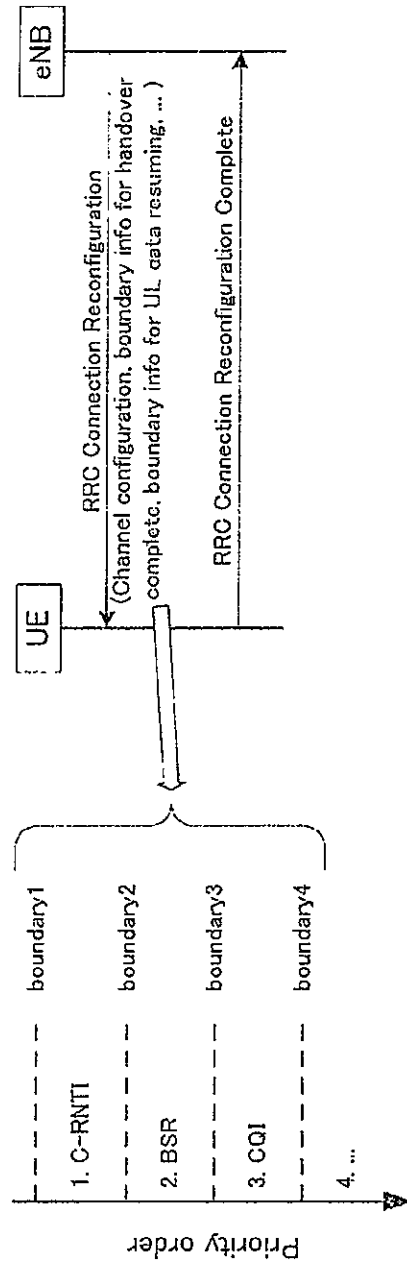


FIG.9



(a) priority order of MAC control elements

(b) signalling of boundary info

FIG. 10

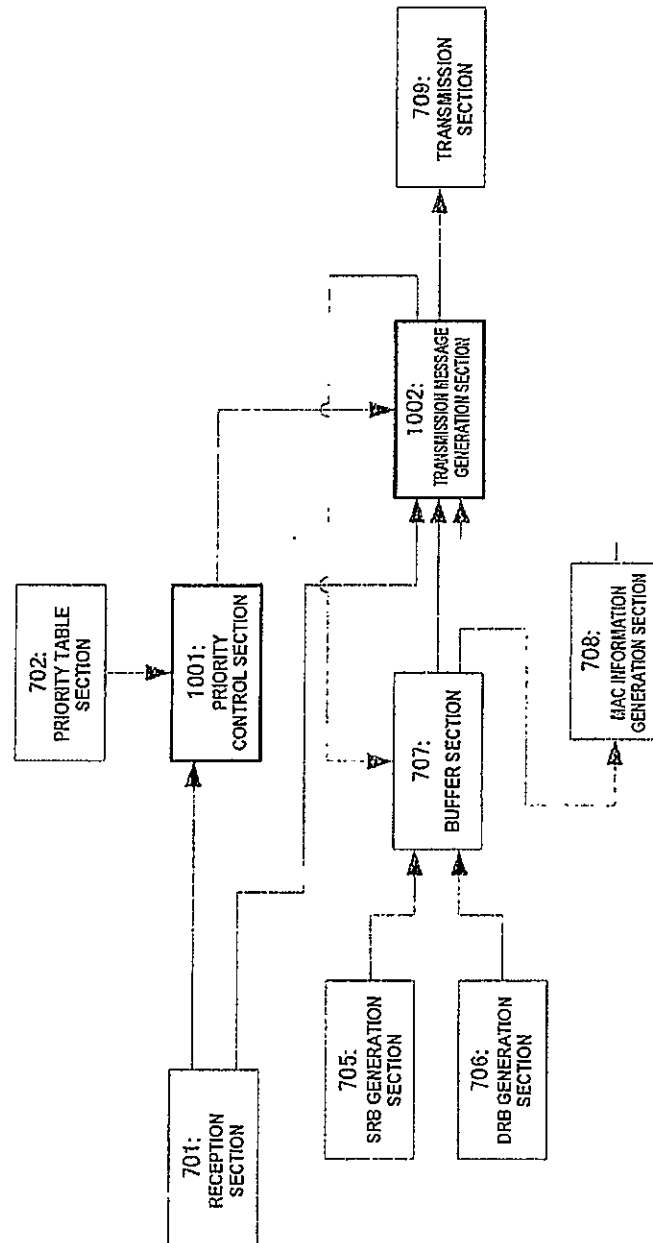


FIG. 11

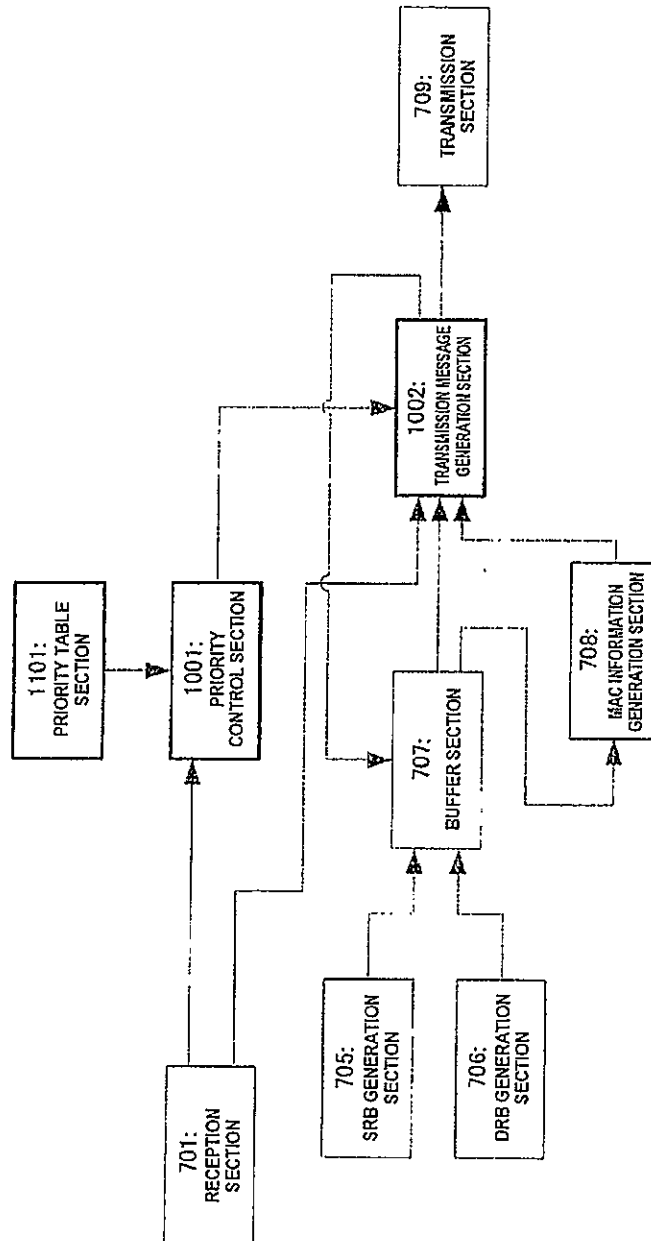
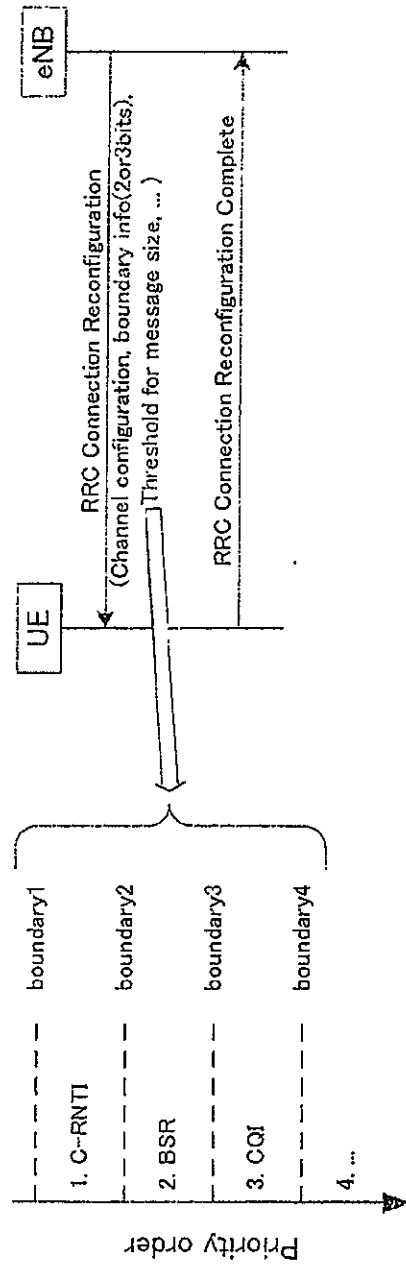


FIG.12



(a) priority order of MAC control elements

(b) signalling of boundary info

FIG. 13

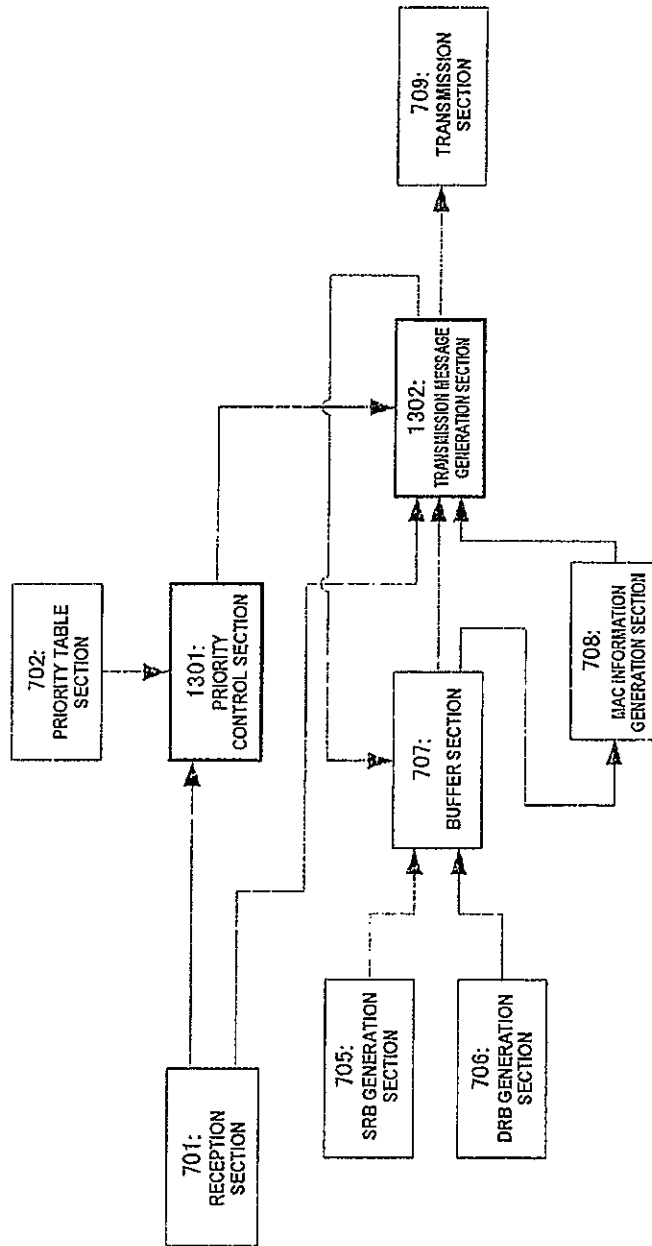
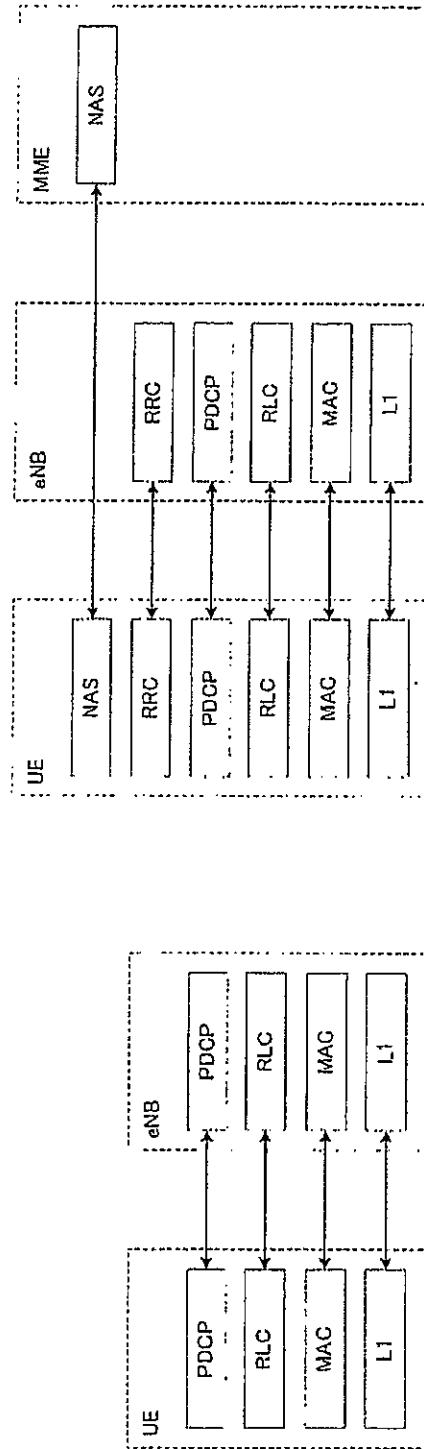


FIG.14



(a) protocol stack of use plane (i.e. DRB)

(b) protocol stack of control plane (i.e. SRB)

FIG. 15

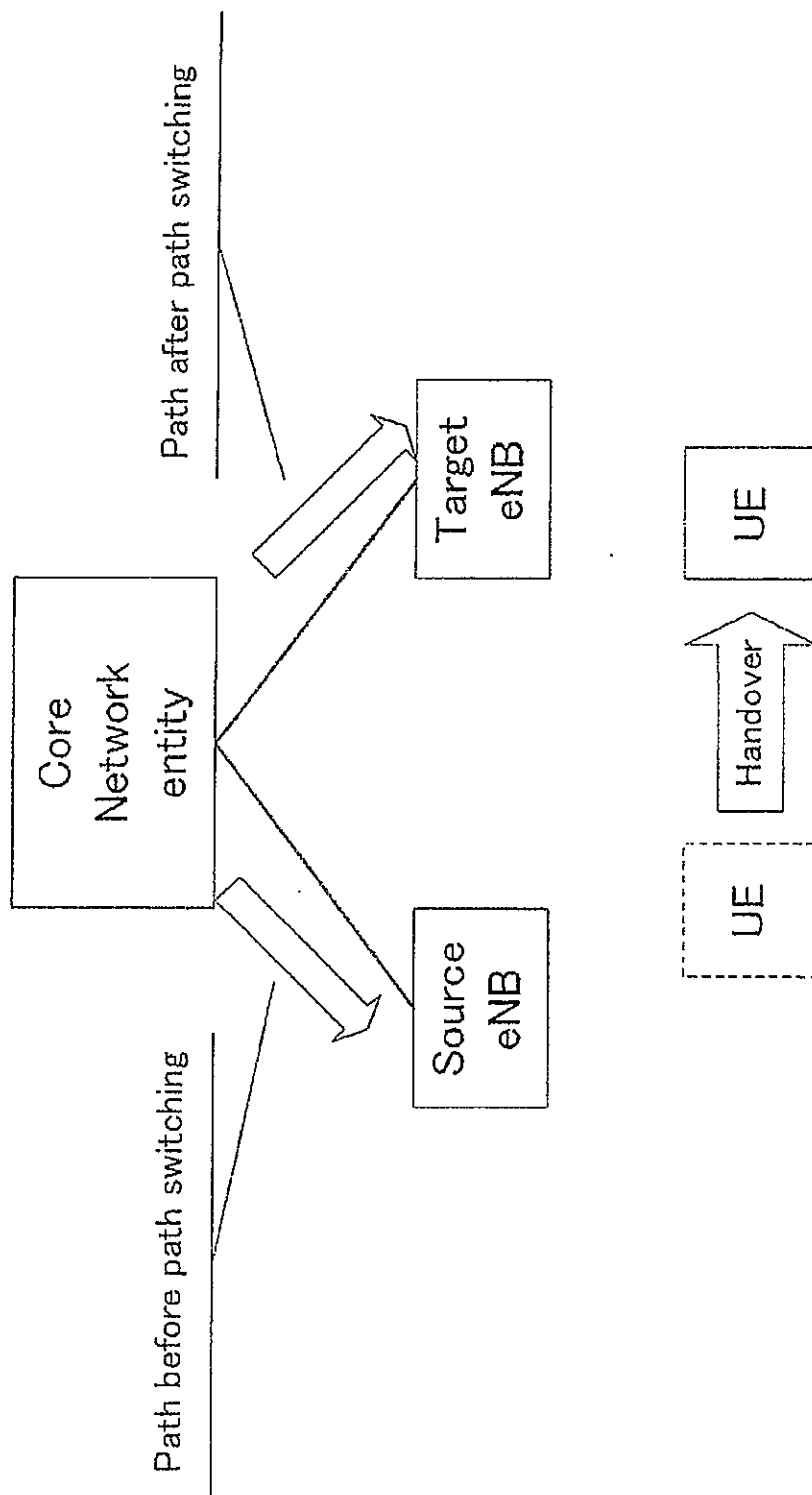
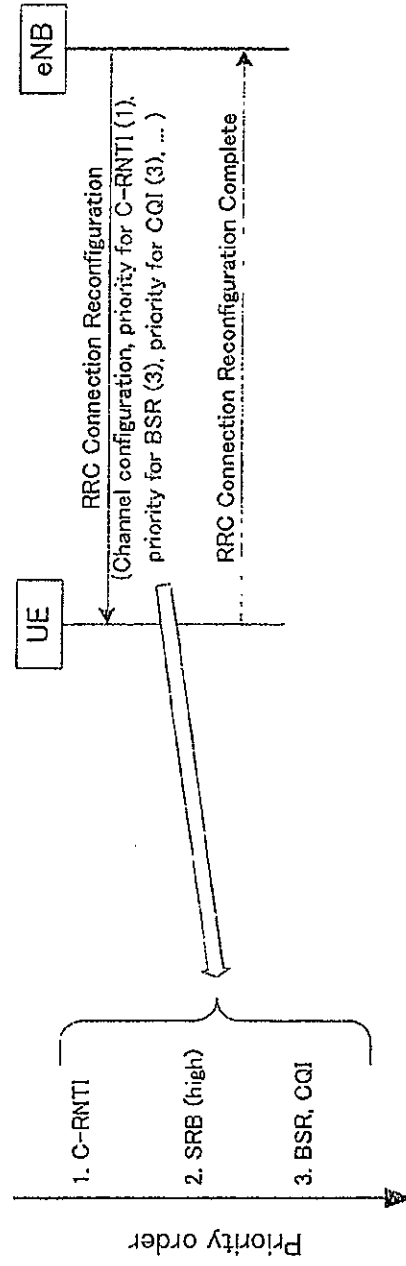


FIG. 16



(a) priority order of MAC control elements and SRB

(b) signalling of boundary info

FIG.17

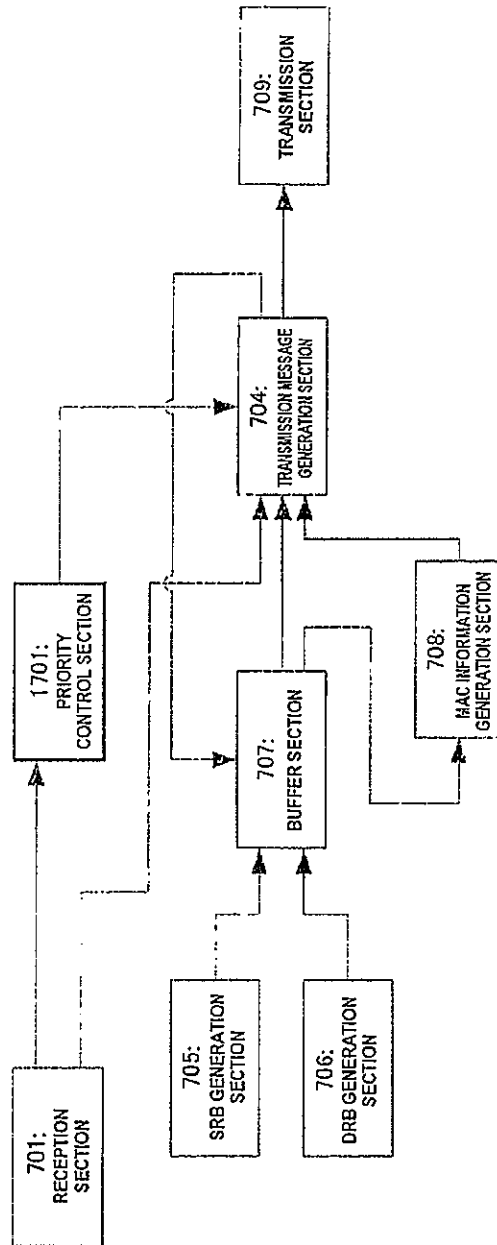


FIG.18

1. C-RNTI
2. BSR
3. CQI
...
N. xxx

(a) example of MAC control elements priority table

000	RRC message is higher than priority1
001	RRC message is between priority 1 and 2
010	RRC message is between priority 2 and 3
	...
111	RRC message is lower than priority N

(a) example of boundary info in case of 3bits

FIG. 19

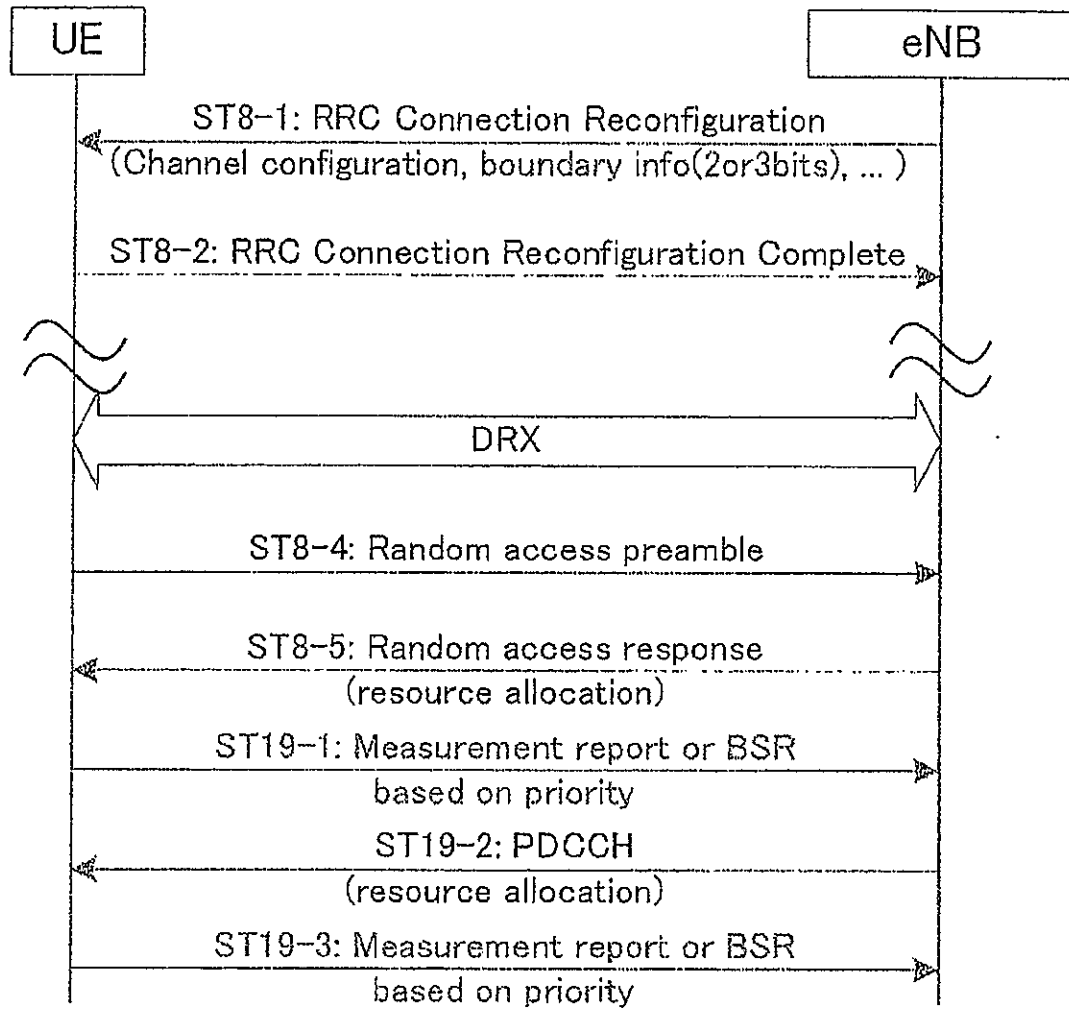


FIG.20

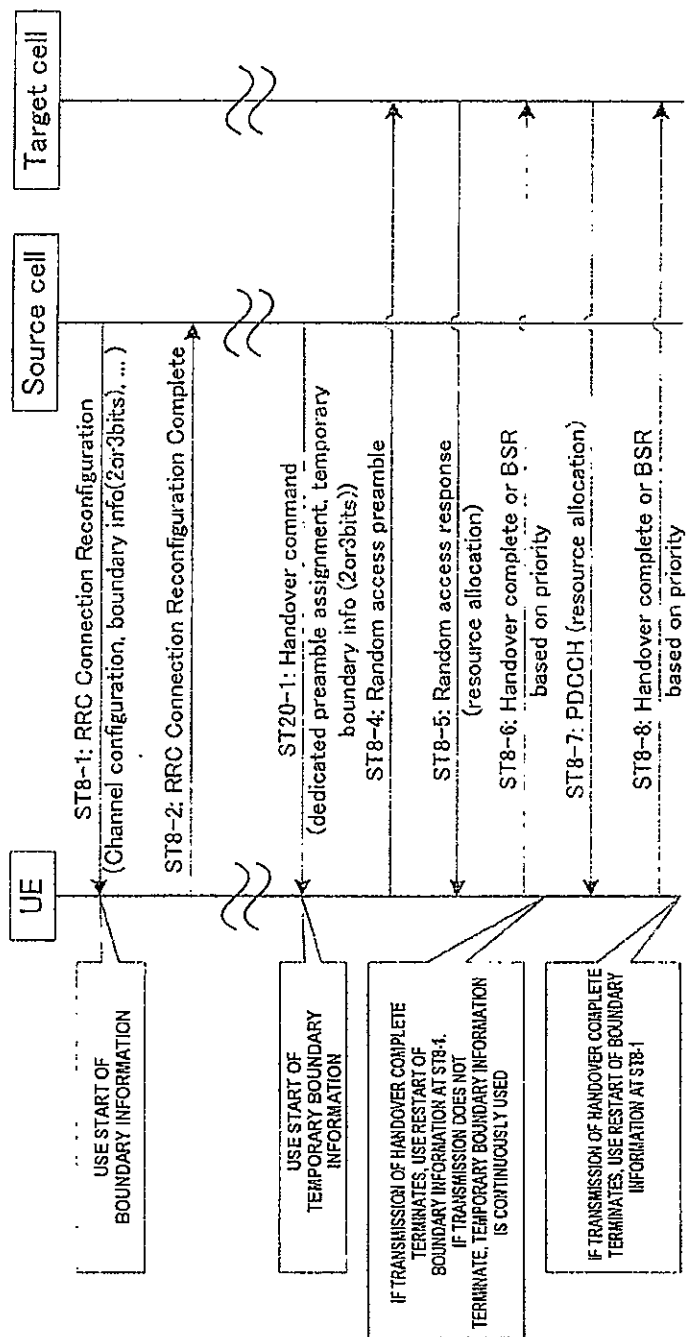
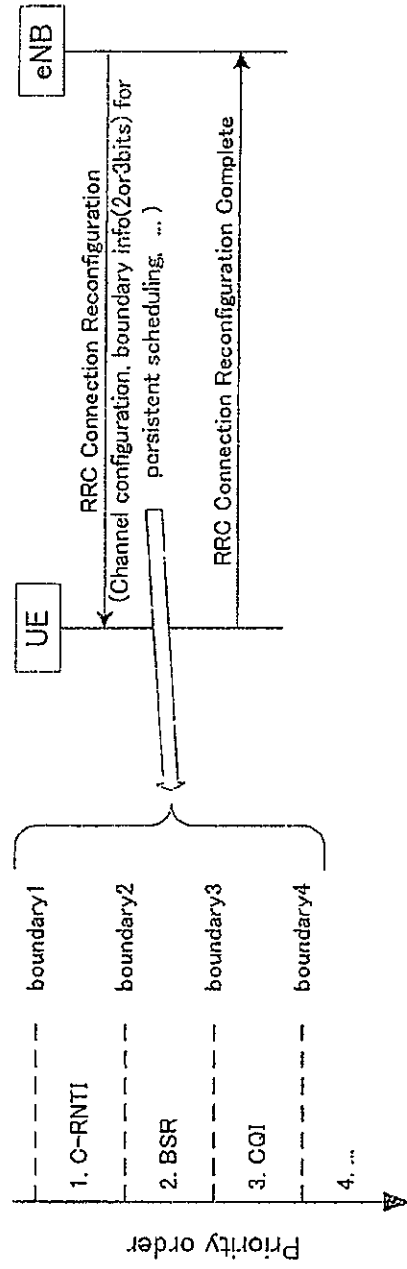


FIG. 21



(a) priority order of MAC control elements

(b) signalling of boundary info

FIG.22

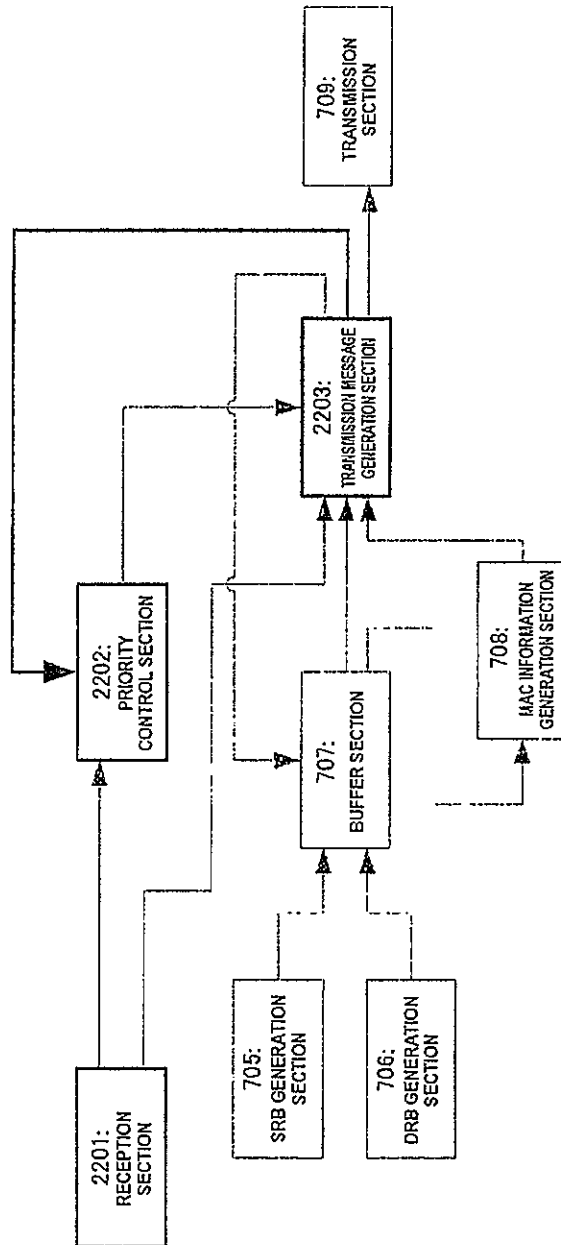


FIG. 23

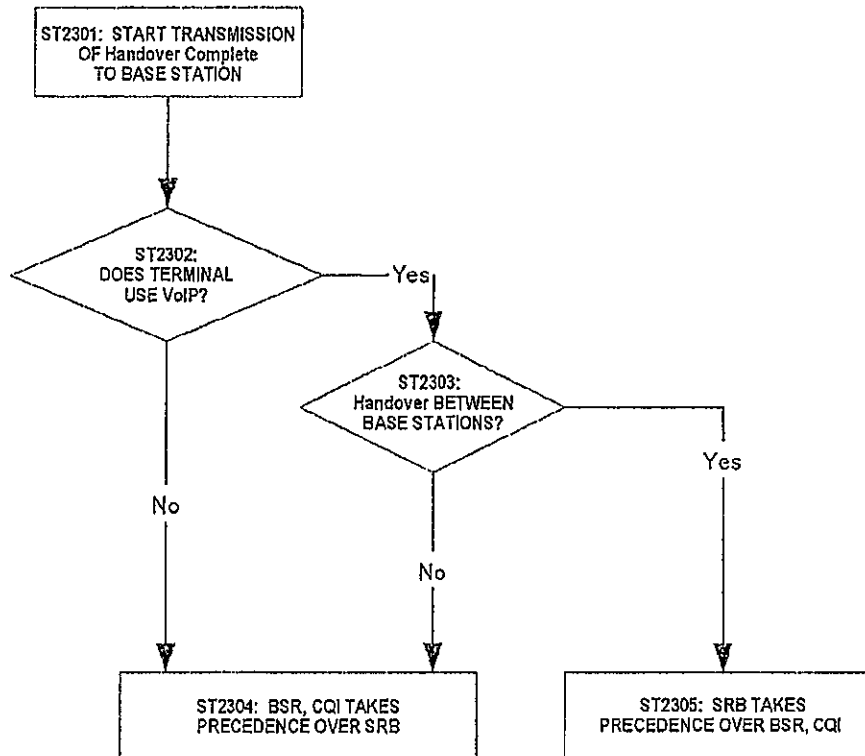
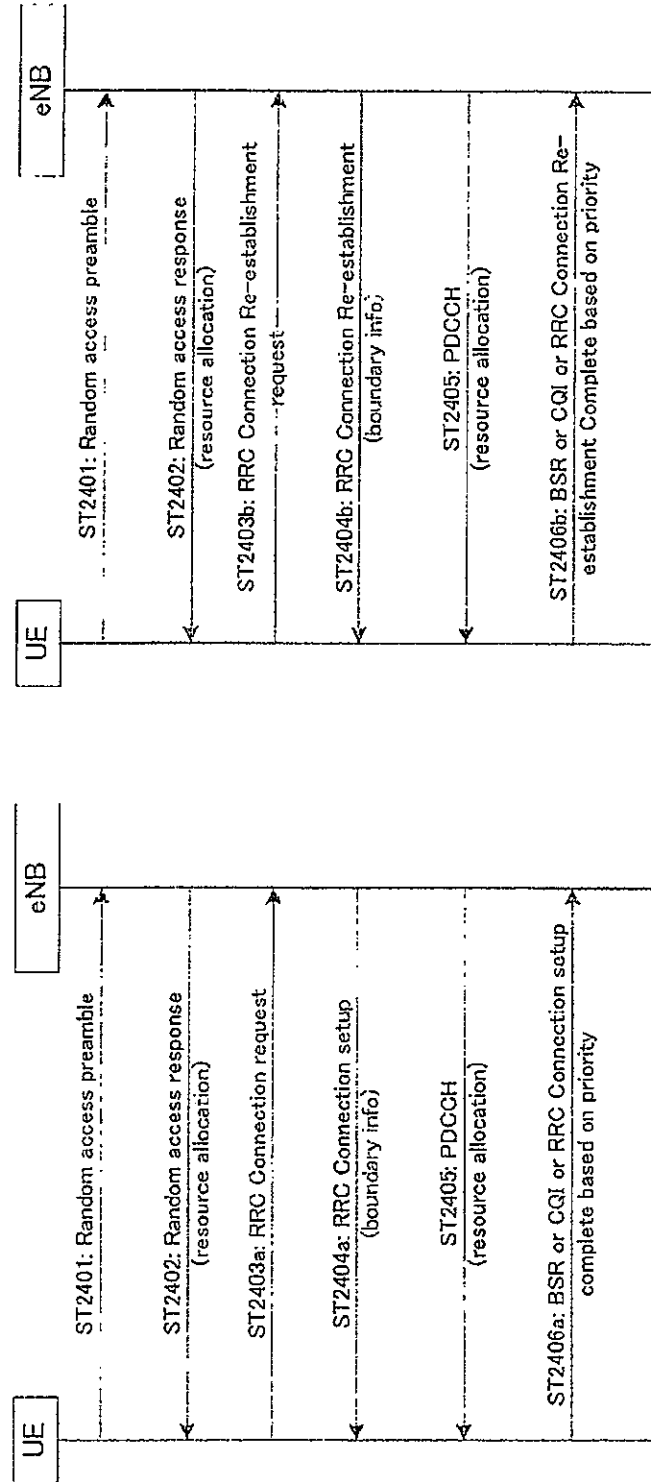


FIG. 24



(a) RRC connection establishment procedure

(b) RRC Connection Re-establishment procedure

FIG. 25

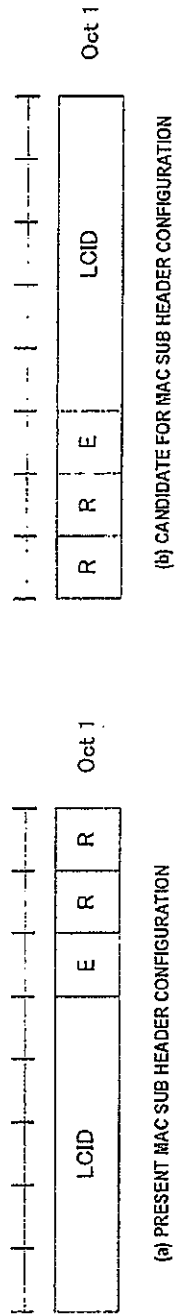
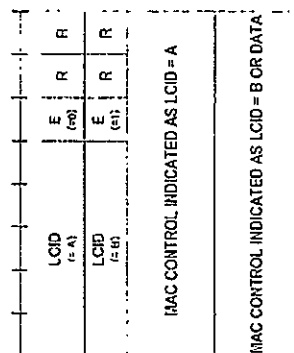
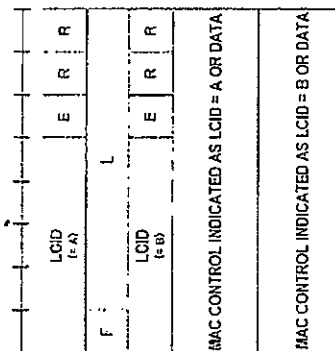


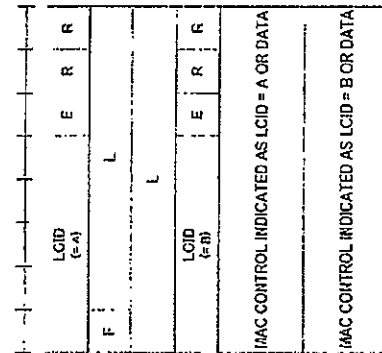
FIG. 26



(a) ONLY MAC SUB HEADER WITHOUT
L FIELD FORMS MAC HEADER



(b) ONLY MAC SUB HEADER WITH L FIELD (SEVEN BITS)
AND MAC SUB HEADER WITHOUT L FIELD FORMS MAC HEADER



(c) ONLY MAC SUB HEADER WITH L FIELD (15 BITS)
AND MAC SUB HEADER WITHOUT L FIELD FORMS MAC HEADER

FIG.27

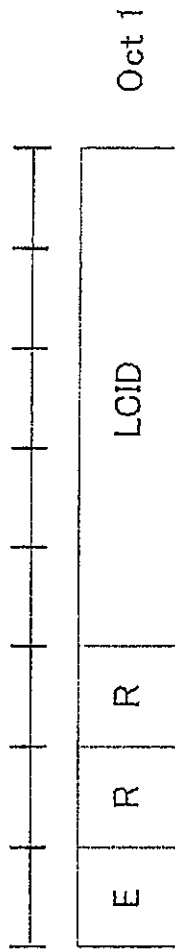


FIG.28

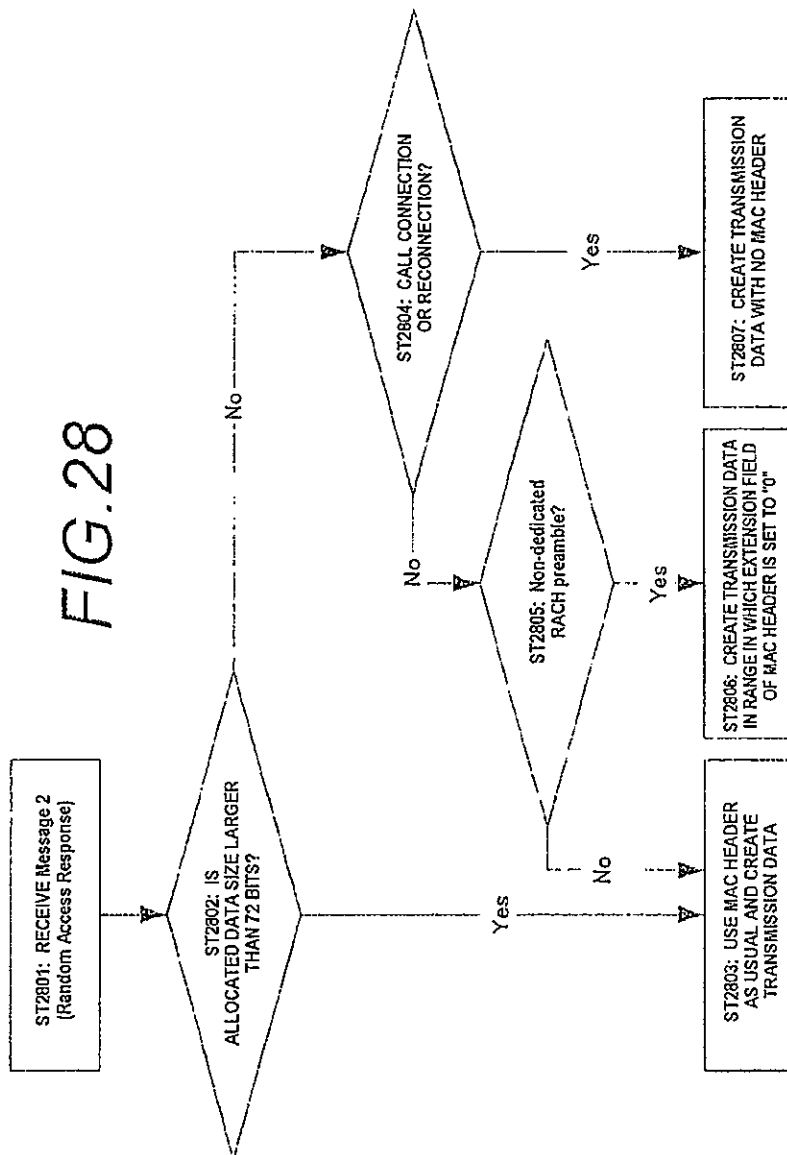


FIG. 29

Message type(=10)	Reserve	Establishment cause
S-TMSI		
S-TMSI		
S-TMSI		
S-TMSI		
S-TMSI		

(a) RRC Connection Request

Message type(=11)	Reserve	Old Cell ID
Old Cell ID		
C-RNTI		
C-RNTI		
MAC-I		
MAC-I		

(b) RRC Connection Re-establishment

E (=0)	R (=0)	R (=0)	LCID (for C-RNTI+Padding)
			C-RNTI
			C-RNTI
			Padding (24bits)

(c) Only C-RNTI

E (=0)	R (=0)	R (=0)	LCID (for C-RNTI+BSR)
			C-RNTI
			C-RNTI
			Buffer Size #1 Buffer Size #2
			Buffer Size #2 Buffer Size #3
			Buffer Size #3 Buffer Size #4

(d) C-RNTI + BSR e.g. for UL data resuming and handover (if BSR is prioritized)

E (=0)	R (=0)	R (=0)	LCID (for C-RNTI+DCCH)
			C-RNTI
			C-RNTI
			DCCH (24bits)

(e) C-RNTI + DCCH e.g. for UL data resuming and handover (if DCCH (i.e. SRB) is prioritized)

E (=0)	R (=0)	R (=0)	LCID (for C-RNTI+CQI)
			C-RNTI
			C-RNTI
			CQI (14bit?) + padding (10bit?)

(f) C-RNTI + CQI e.g. for DL data resuming

FIG.30

index	LCID value
00000-yyyyy	Identity of the logical channel
yyyyy-10111	reserved
11000	C-RNTI
11001	C-RNTI + BSR
11010	C-RNTI + high priority DCCH
11011	C-RNTI + low priority DCCH
11100	C-RNTI + CQI
11101	Short buffer status report
11110	Long buffer status report
11111	Padding

FIG.31

