

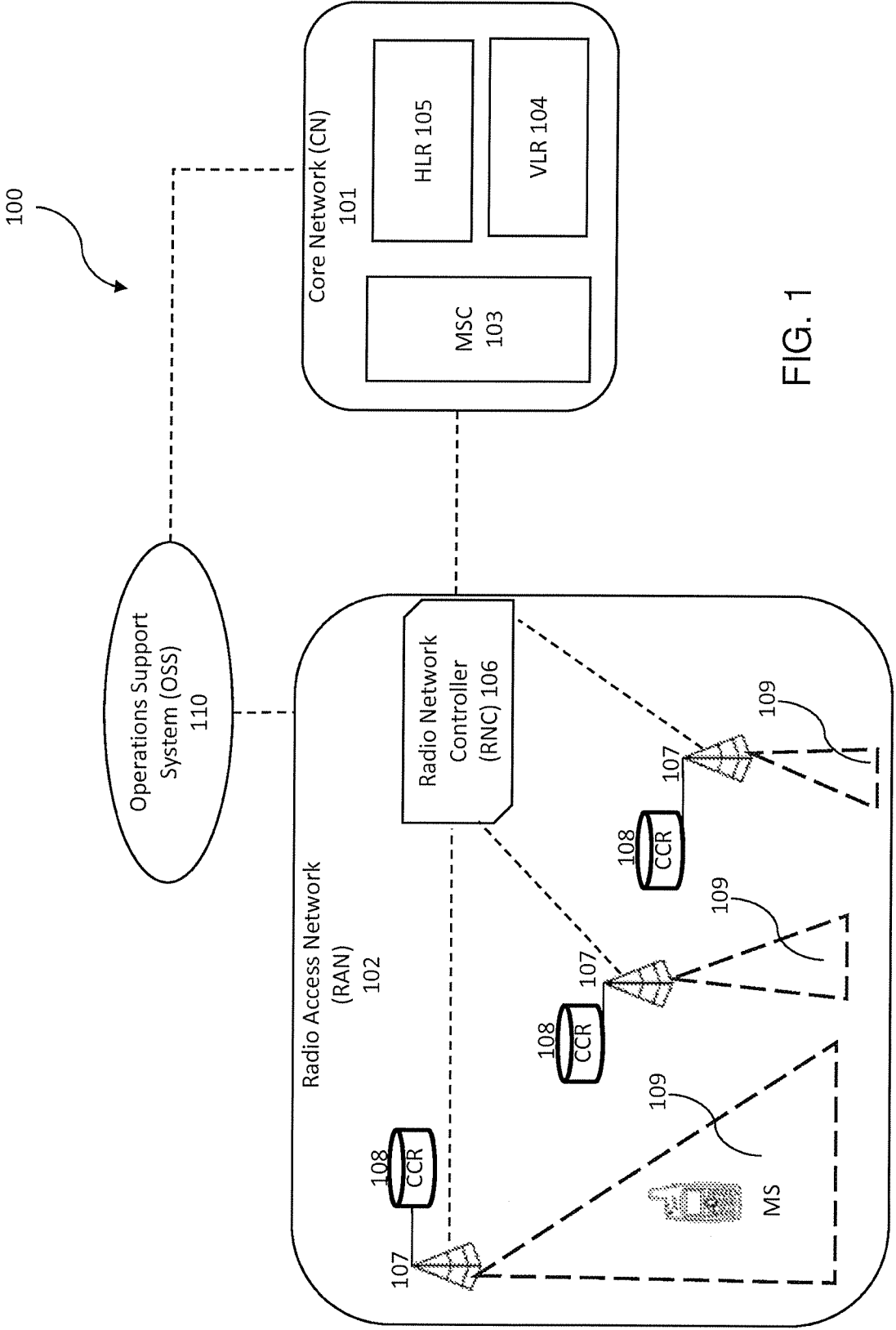


FIG. 1

Cell Configuration Information
Cell Identifier
Registration Area
Camping Cell Thresholds
Active mode
Radio Configuration
Cell Broadcast

FIG. 2A

UMTS Cell Configuration Sample	
Cell Identifier	Cell ID
Registration Area	Location Area Code (LAC)
	Routing Area Code (RAC)
	Service Area Code (SAC)
Camping Cell Thresholds	S Inter/intra/rat search
	Qqualmin
	Qrxlevmin
	Qoffset
	Qhyst
	Access class
Active mode	Handover type
	Individual offset
	Power offset
Radio Configuration	BCH Power
	Primary CPICH Power
	Maximum Transmission Power
Cell Broadcast	Broadcast Message

FIG. 2B

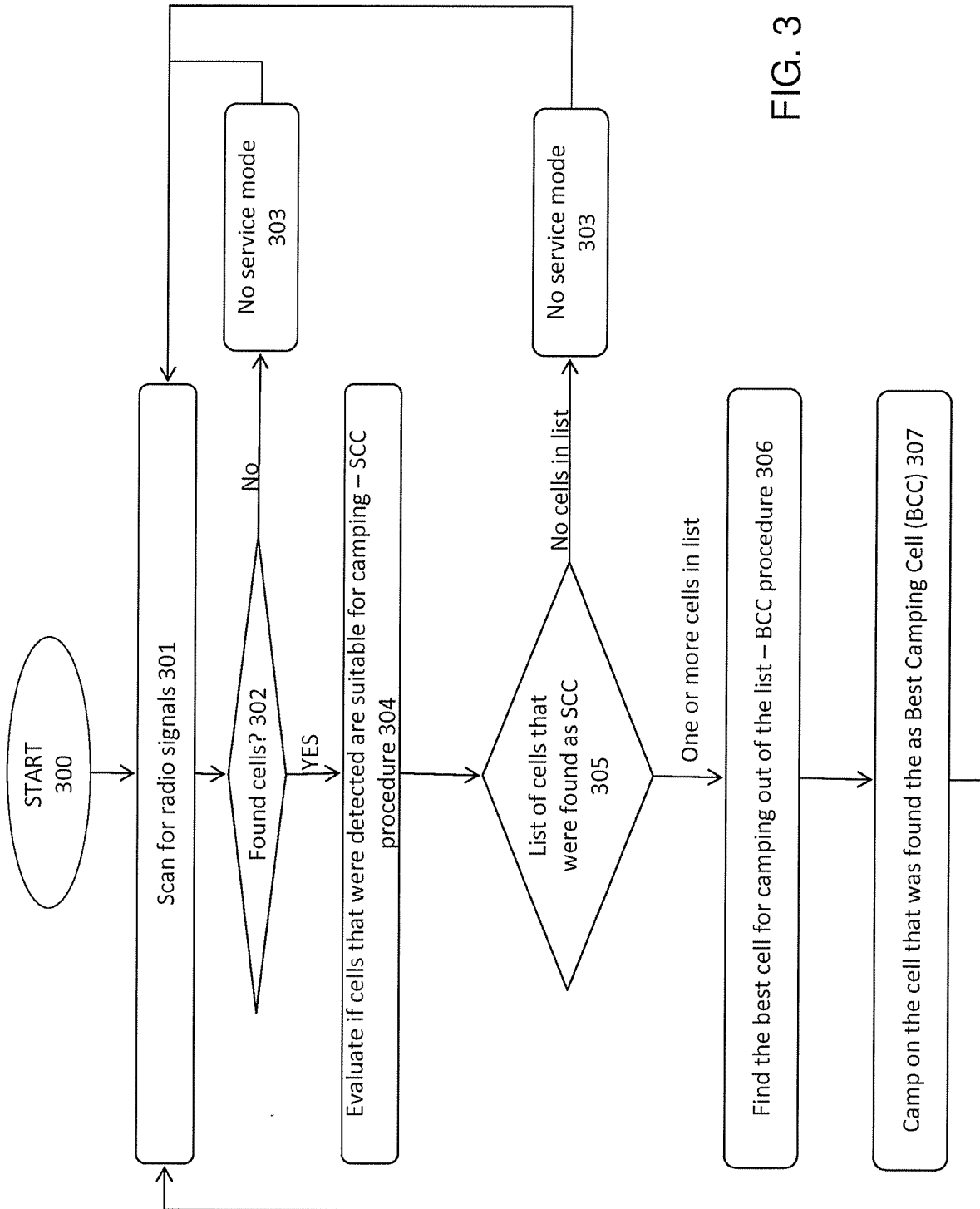


FIG. 3

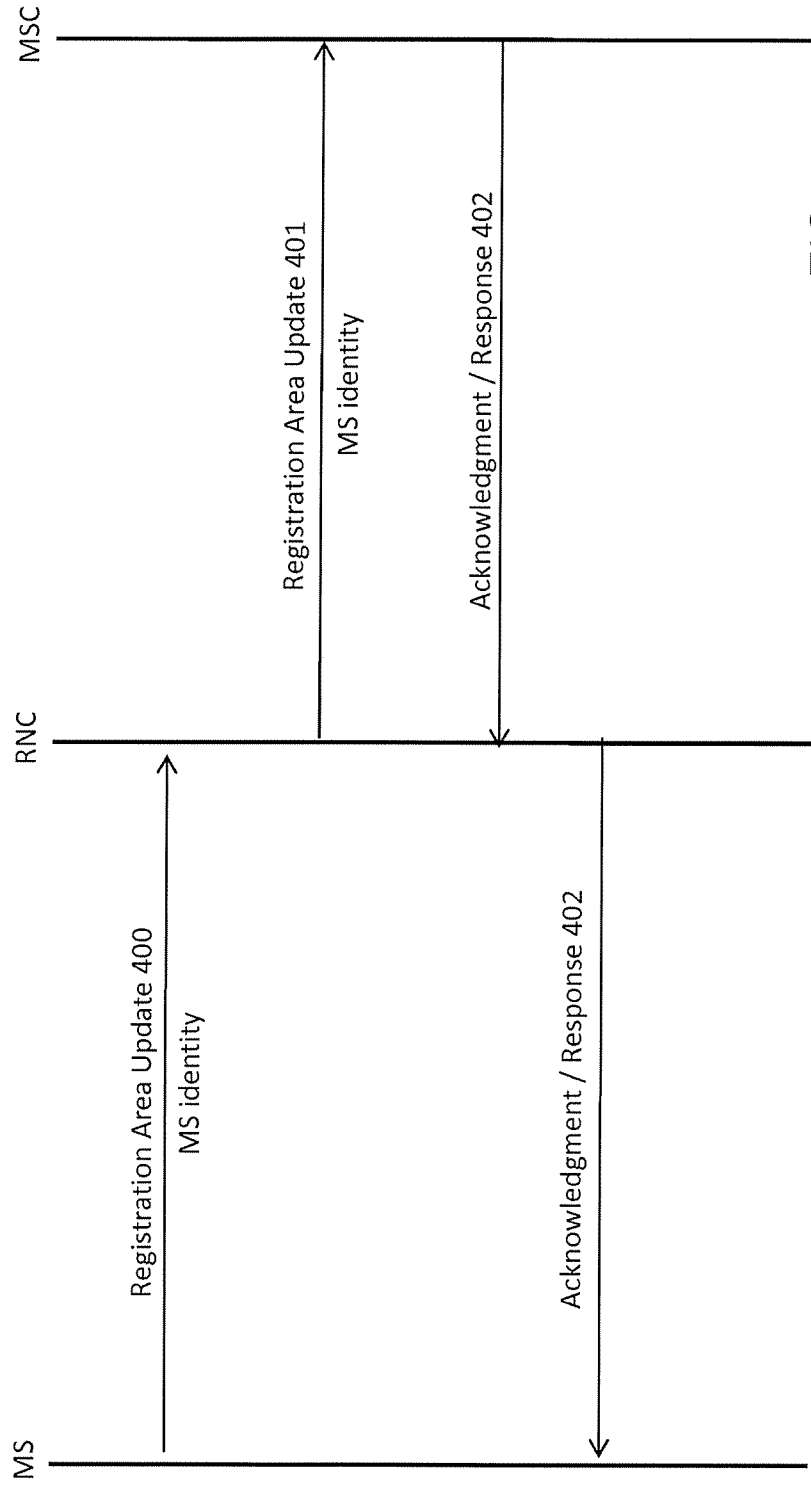


FIG. 4

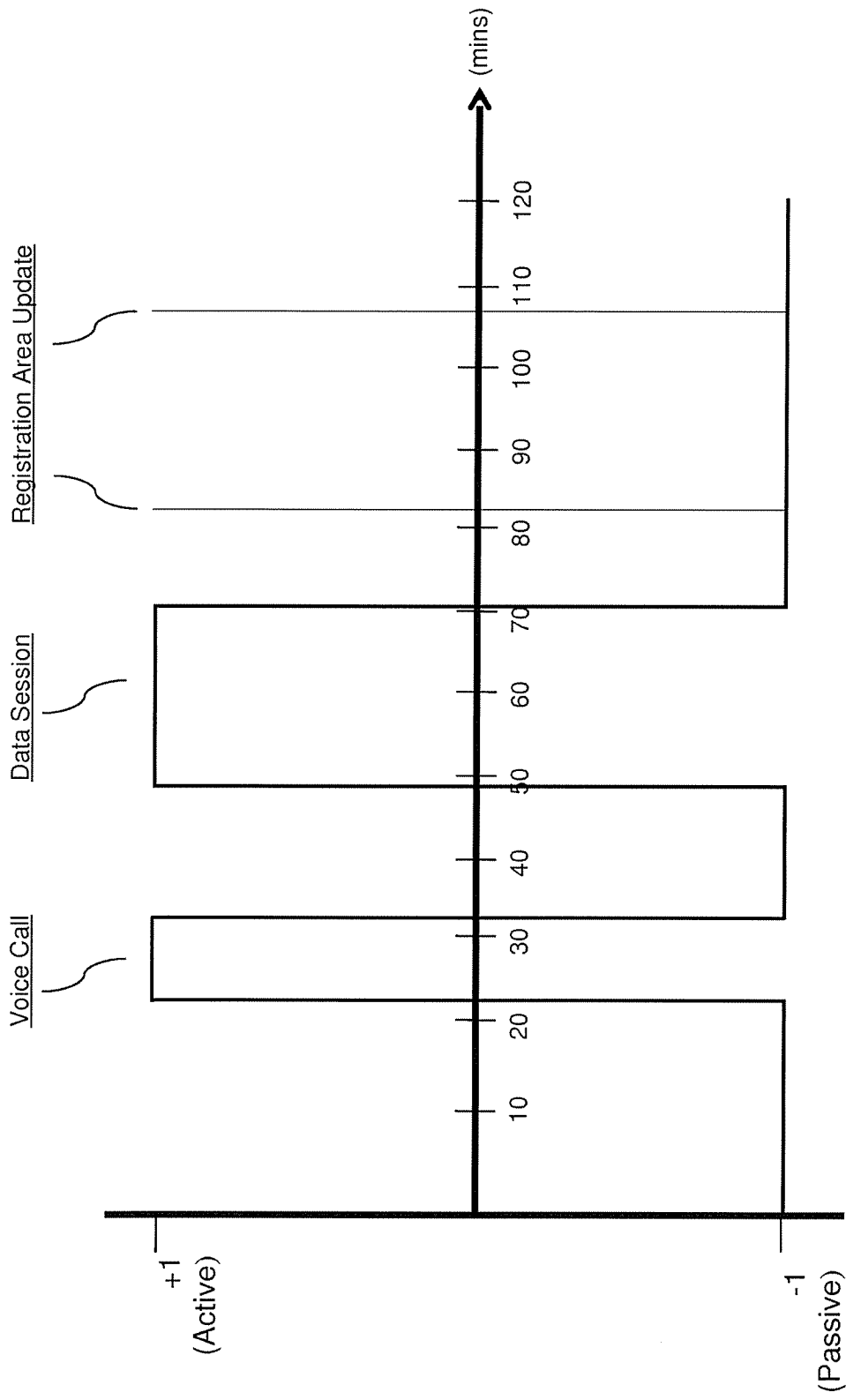


FIG. 5

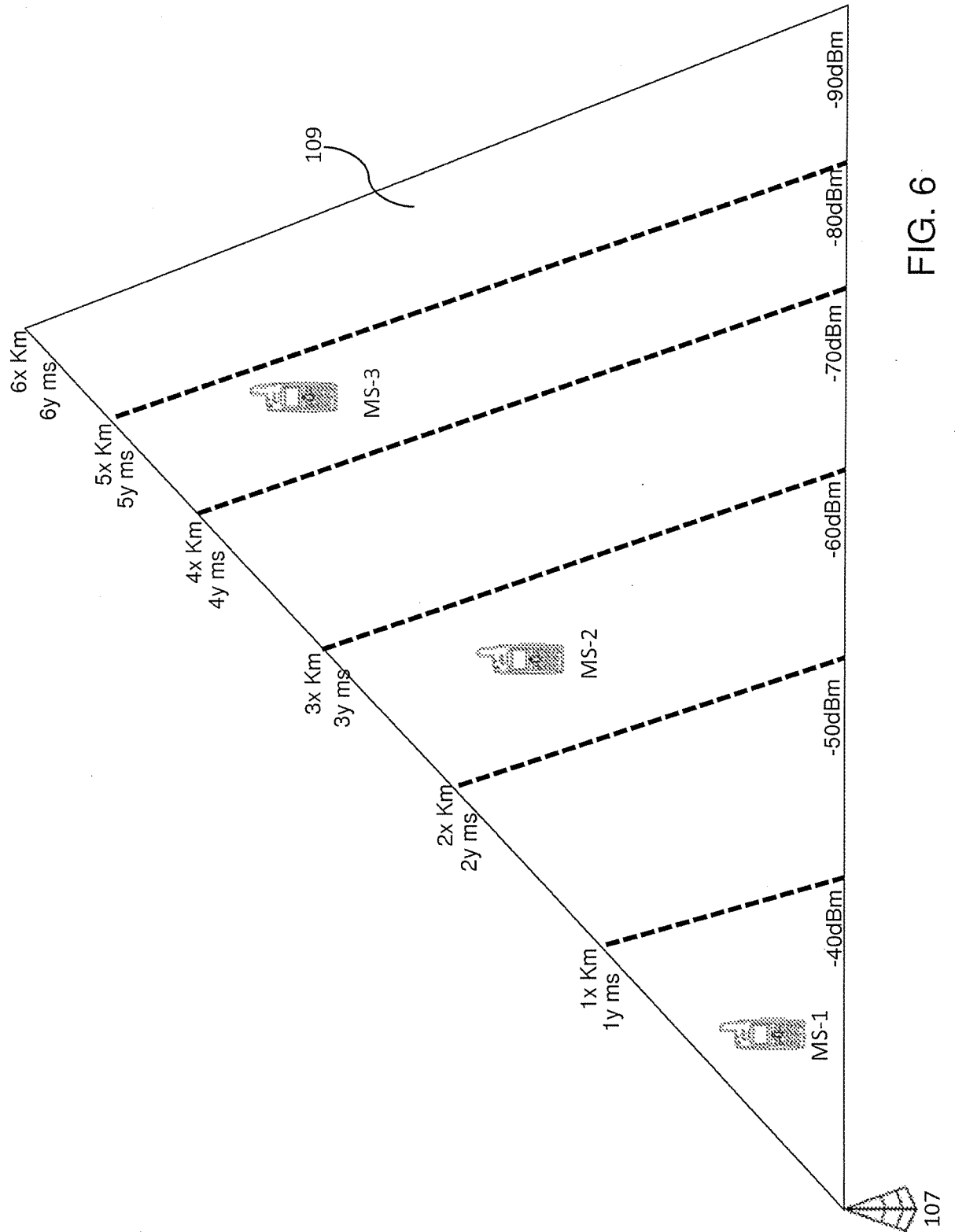
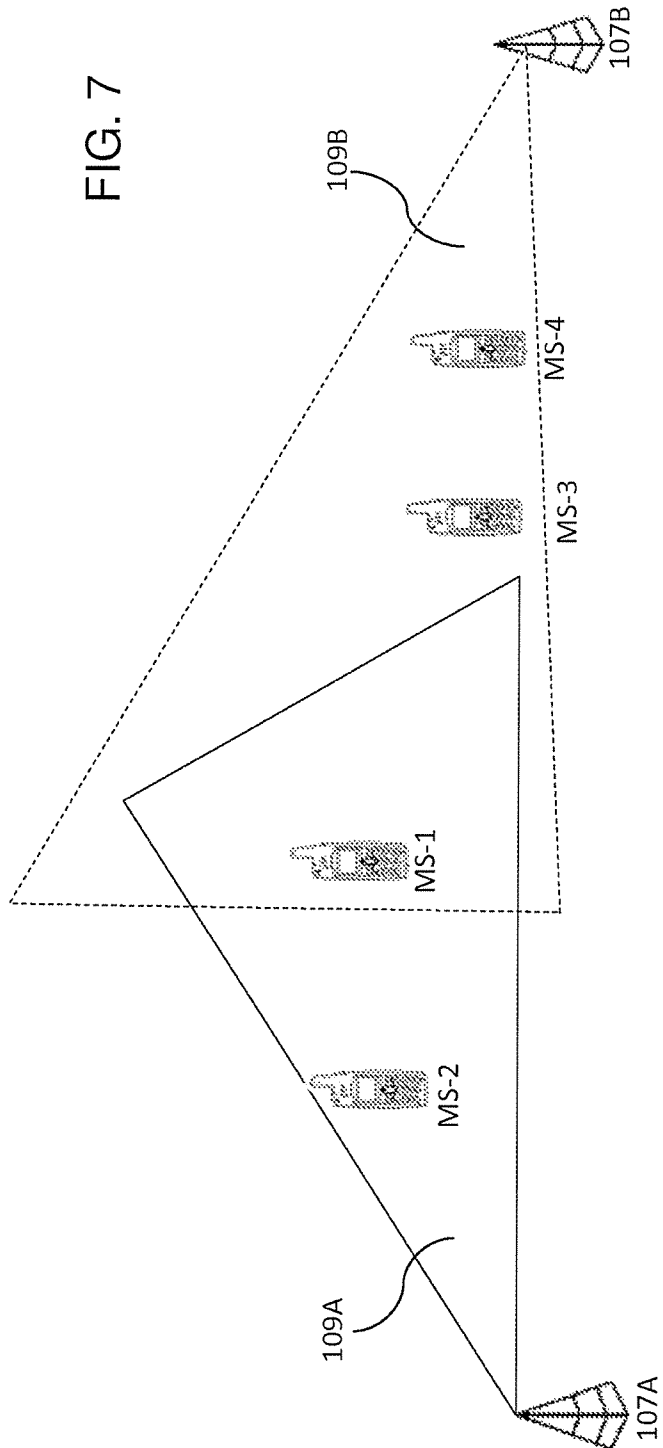


FIG. 6

$$\overline{T=0}$$

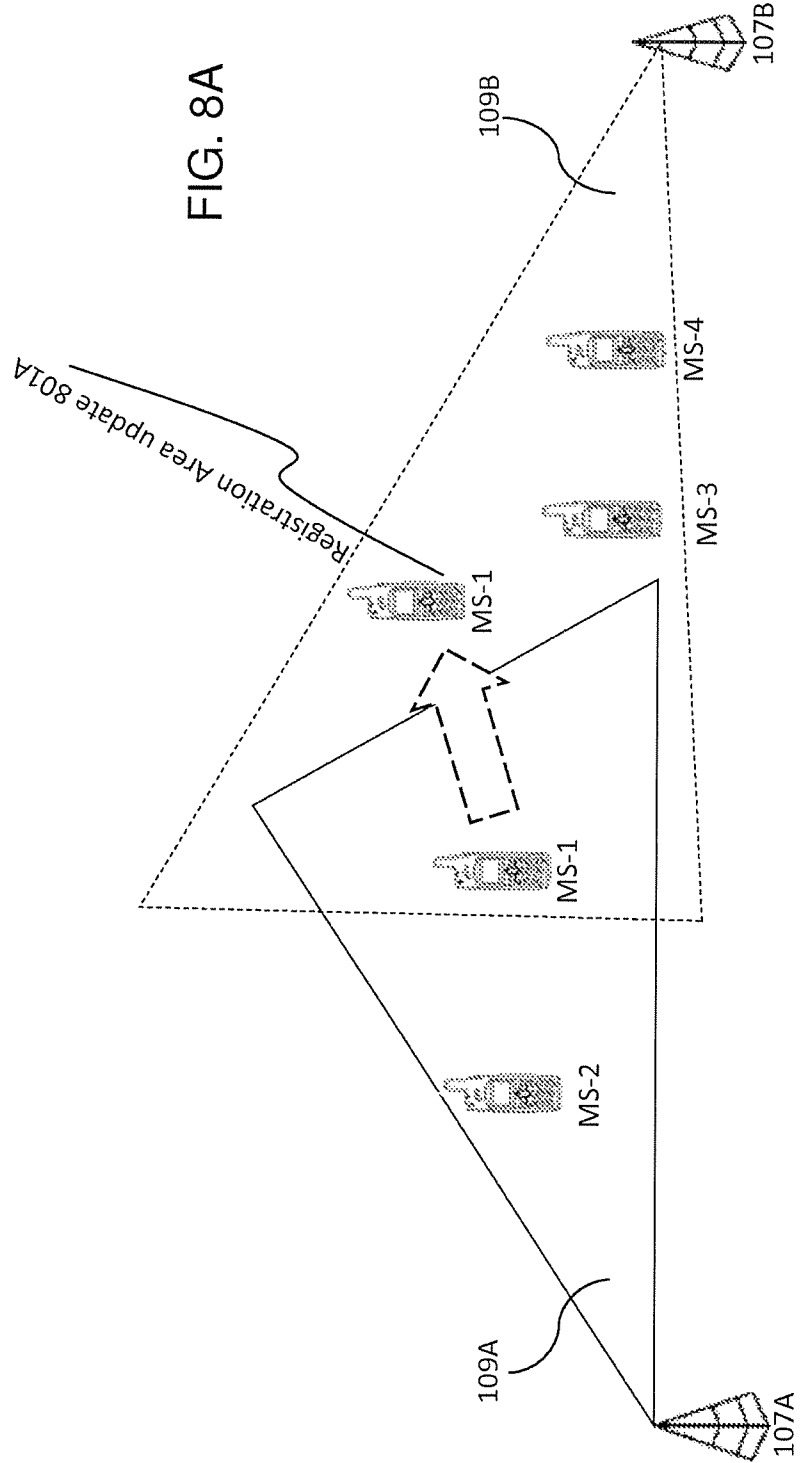
Mobile Station	MS-1		MS-2		MS-3		MS-4	
Cell	109A	109B	109A	109B	109A	109B	109A	109B
Registration Area	1111	2222	1111	2222	1111	2222	1111	2222
Present camping cell	YES	NO	YES	NO	NO	YES	NO	YES
Reception Signal Stength (dBm)	-60	-90	-50	N/A	N/A	-85	N/A	-50
CCD Decision	Stay camped on Cell-111A		Stay camped on Cell-111A		Stay camped on Cell-111B		Stay camped on Cell-111B	

FIG. 7



I=1

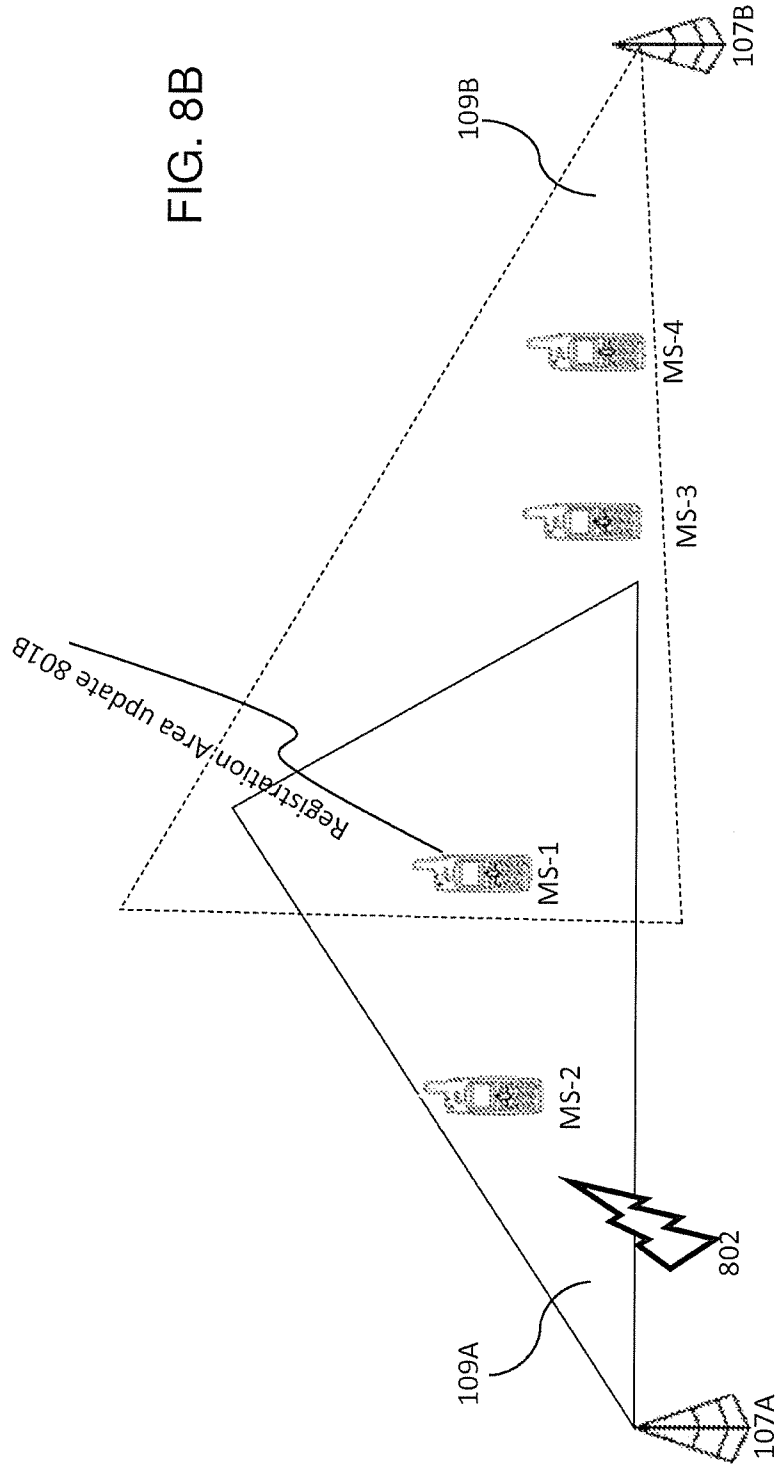
Mobile Station	MS-1		MS-2		MS-3		MS-4	
Cell	109A	109B	109A	109B	109A	109B	109A	109B
Registration Area	1111	2222	1111	2222	1111	2222	1111	2222
Present camping cell	NO*	YES*	YES	NO	NO	YES	NO	YES
Reception Signal Strength (dBm)	N/A*	(-70)*	-50	N/A	N/A	-85	N/A	-50
CCD Decision	(Change to camp on Cell-111B)*		Stay camped on Cell-111A		Stay camped on Cell-111B		Stay camped on Cell-111B	



11

Mobile Station	MS-1		MS-2		MS-3		MS-4
Cell	109A	109B	109A	109B	109A	109B	109A
Registration Area	1111	2222	1111	2222	1111	2222	1111
Present camping cell	NO*	YES*	YES	NO	NO	YES	NO
Reception Signal Strength (dBm)	(-105)*	(-70)*	(-90)*	N/A	N/A	-85	N/A
CCD Decision	(Change to camp on Cell-111B)*		Stay camped on Cell-111A		Stay camped on Cell-111B		Stay camped on Cell-111B

FIG. 8B



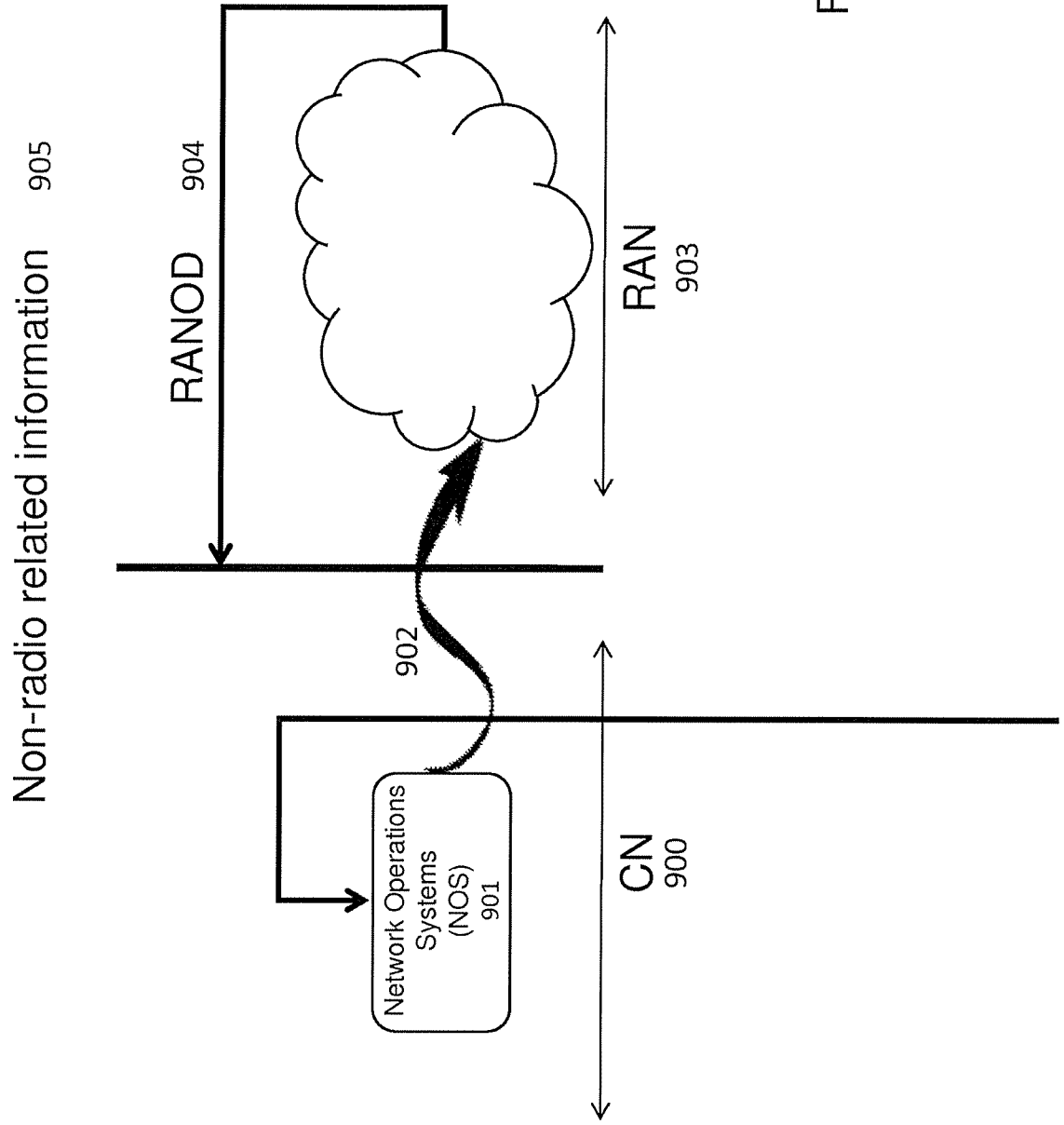


FIG. 9

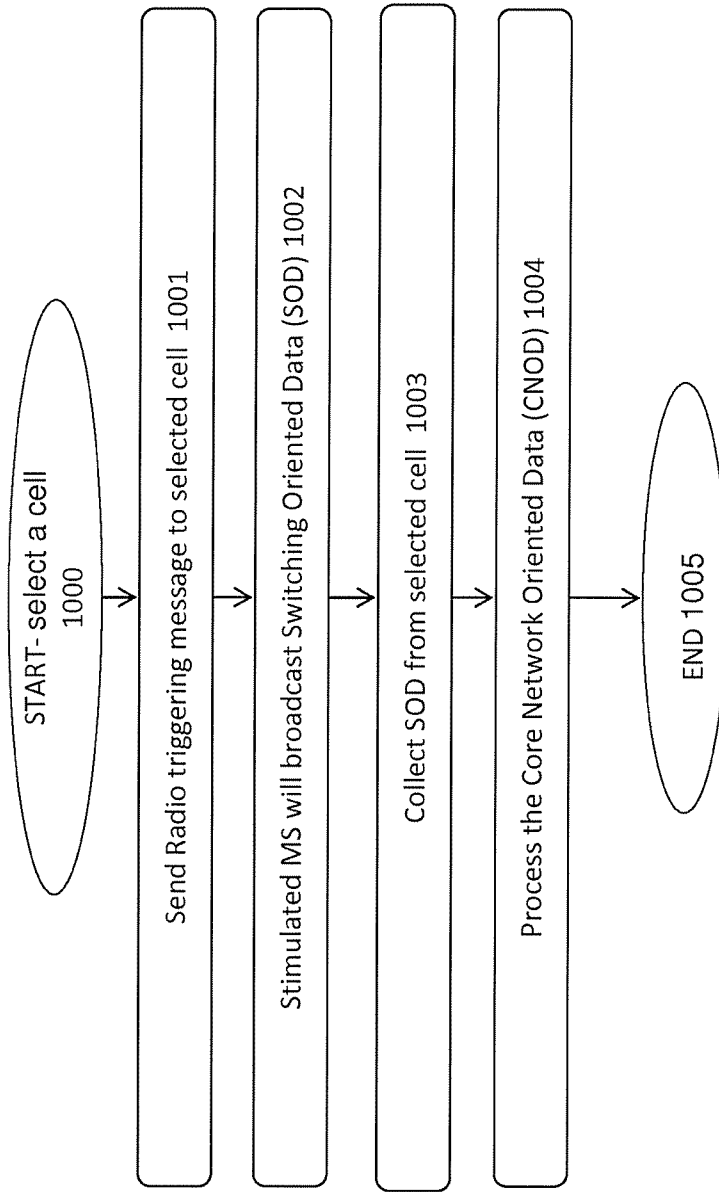


FIG. 10

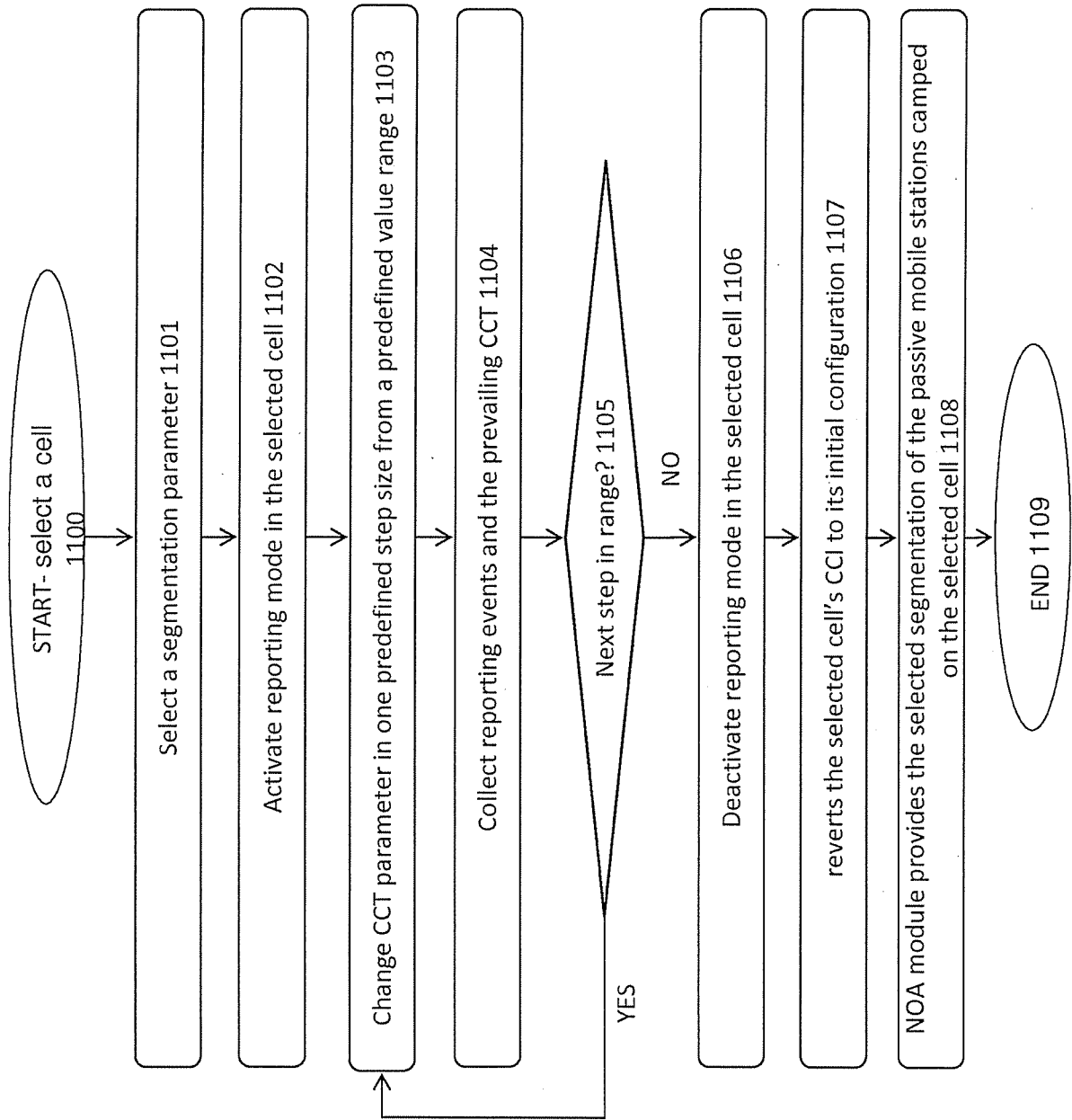


FIG. 11

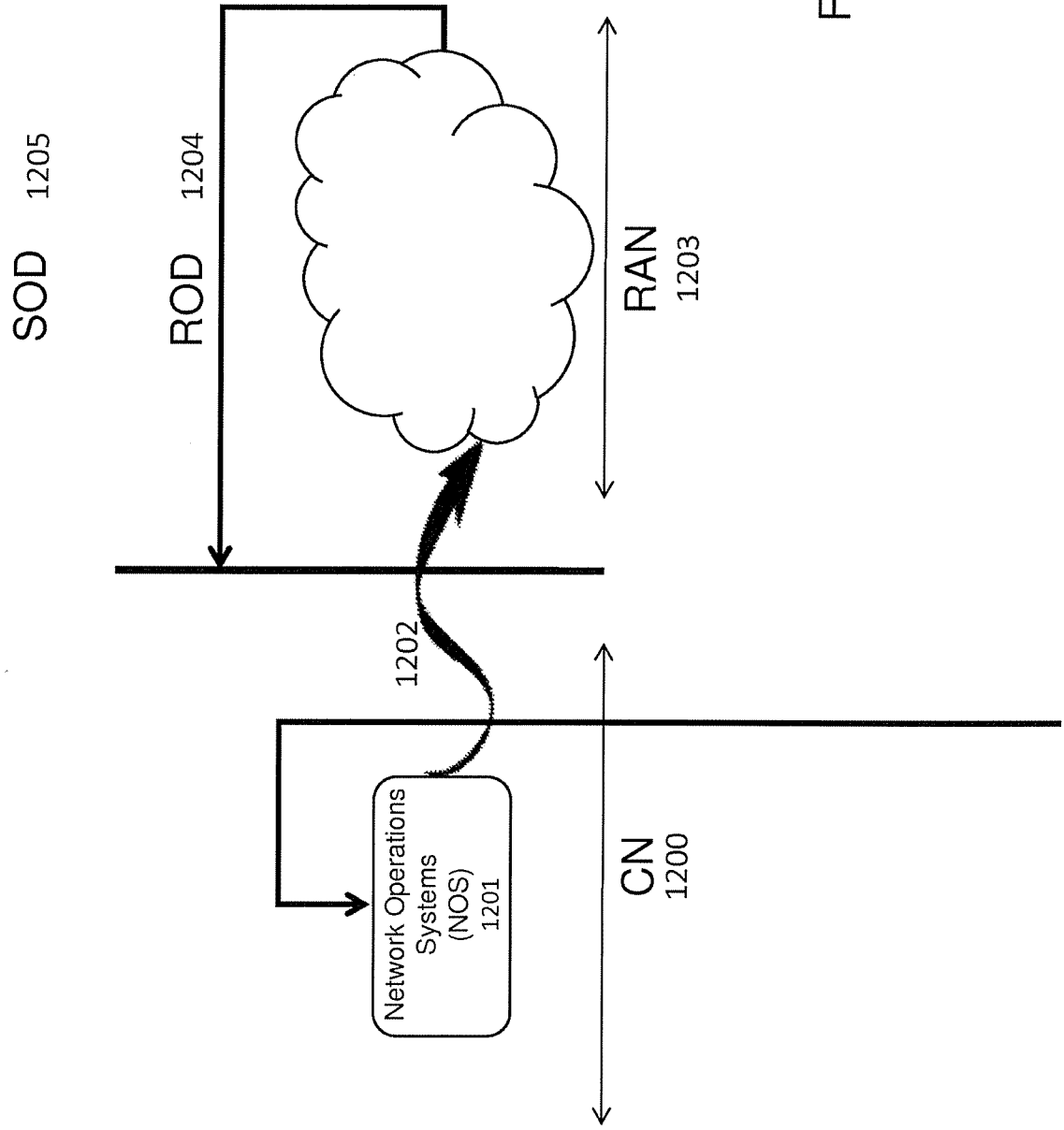


FIG. 12

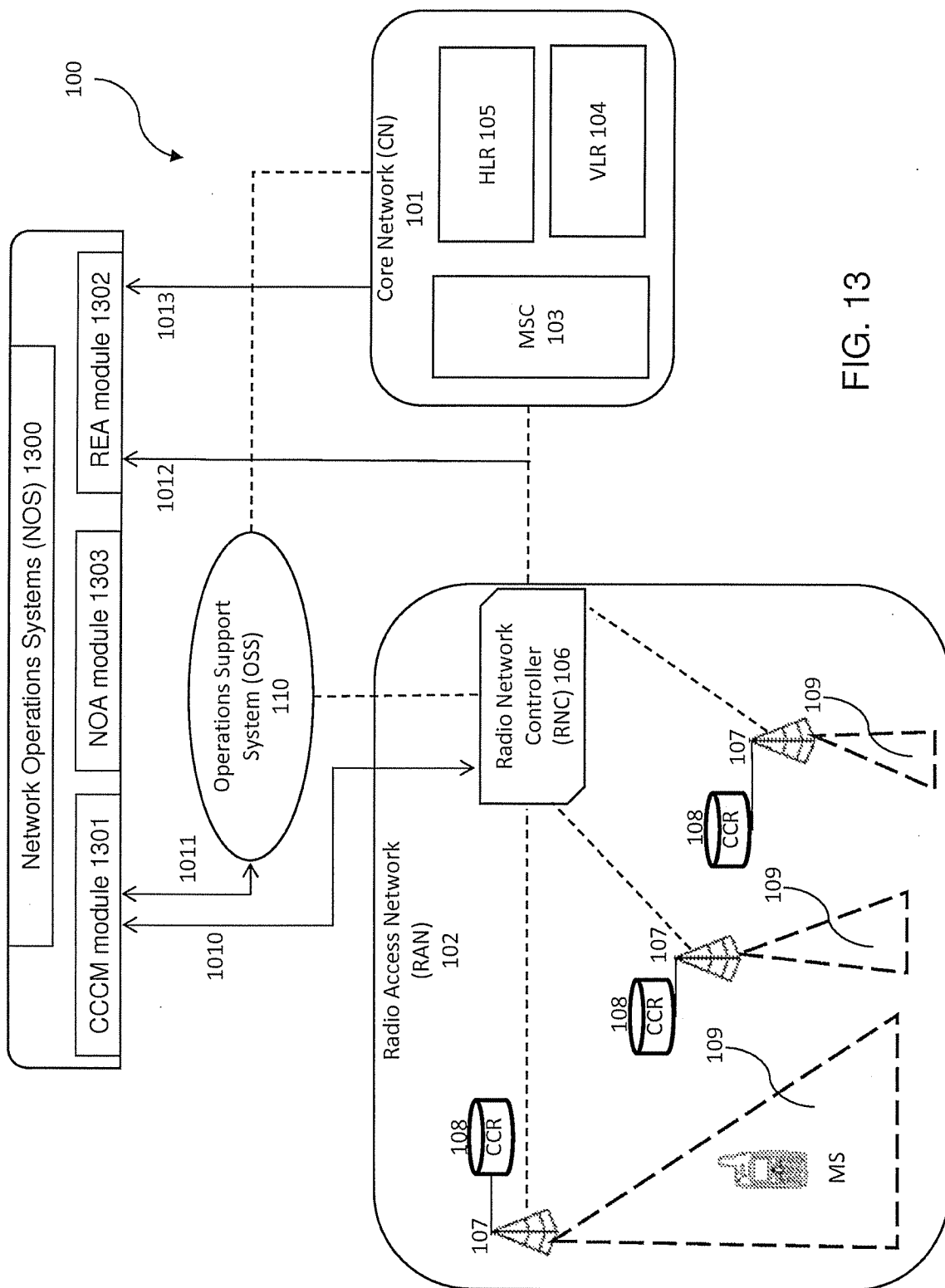
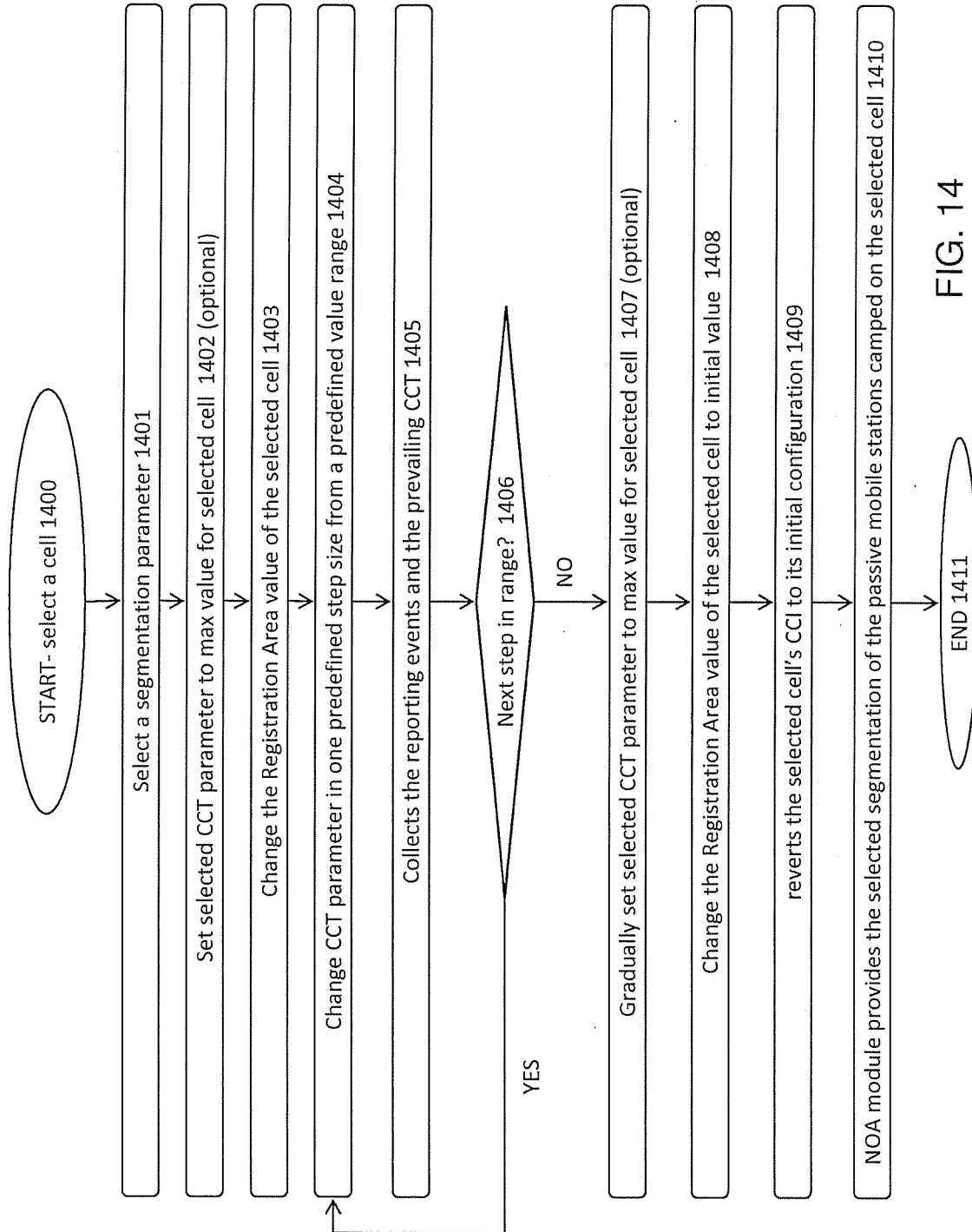


FIG. 13



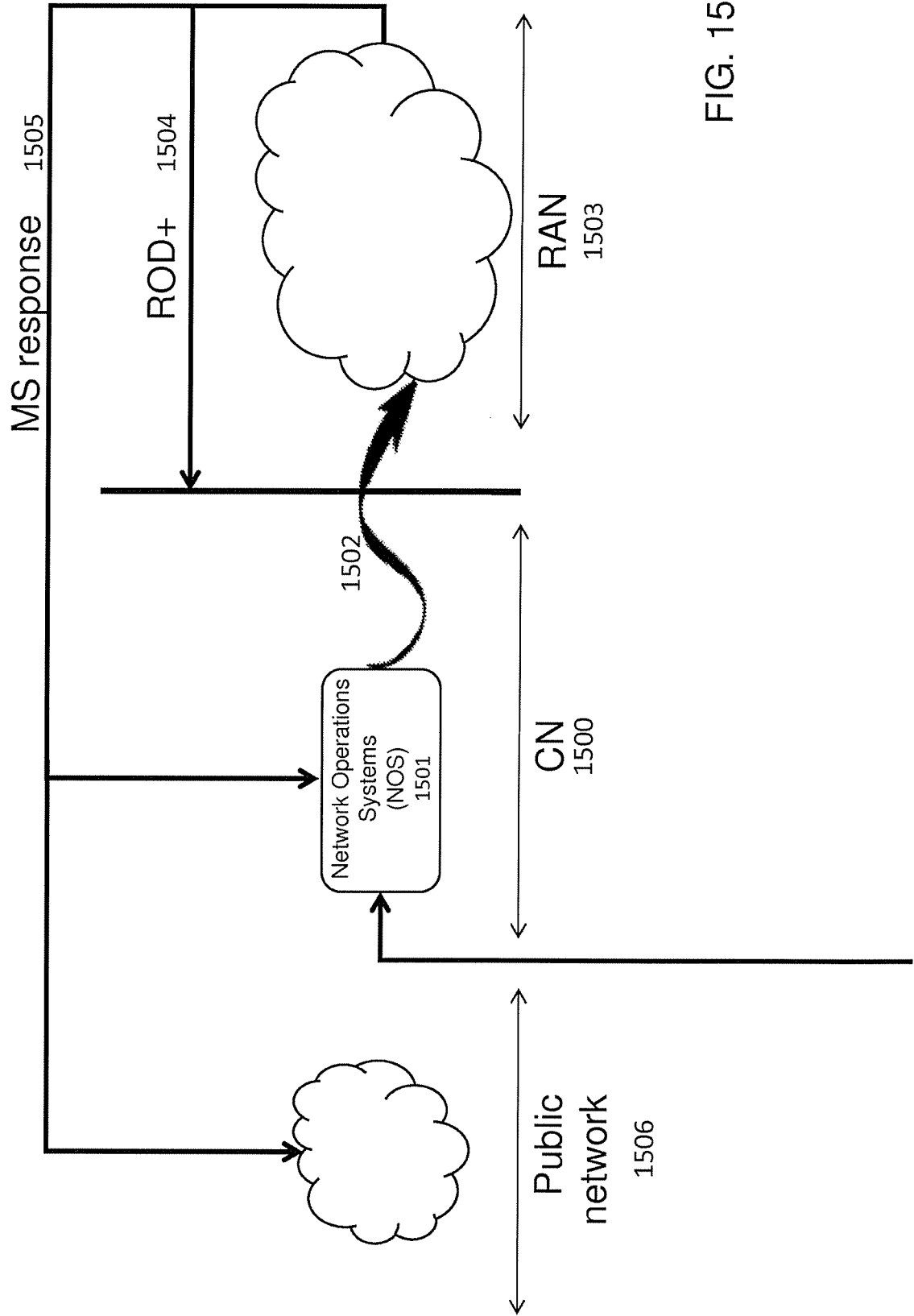


FIG. 15

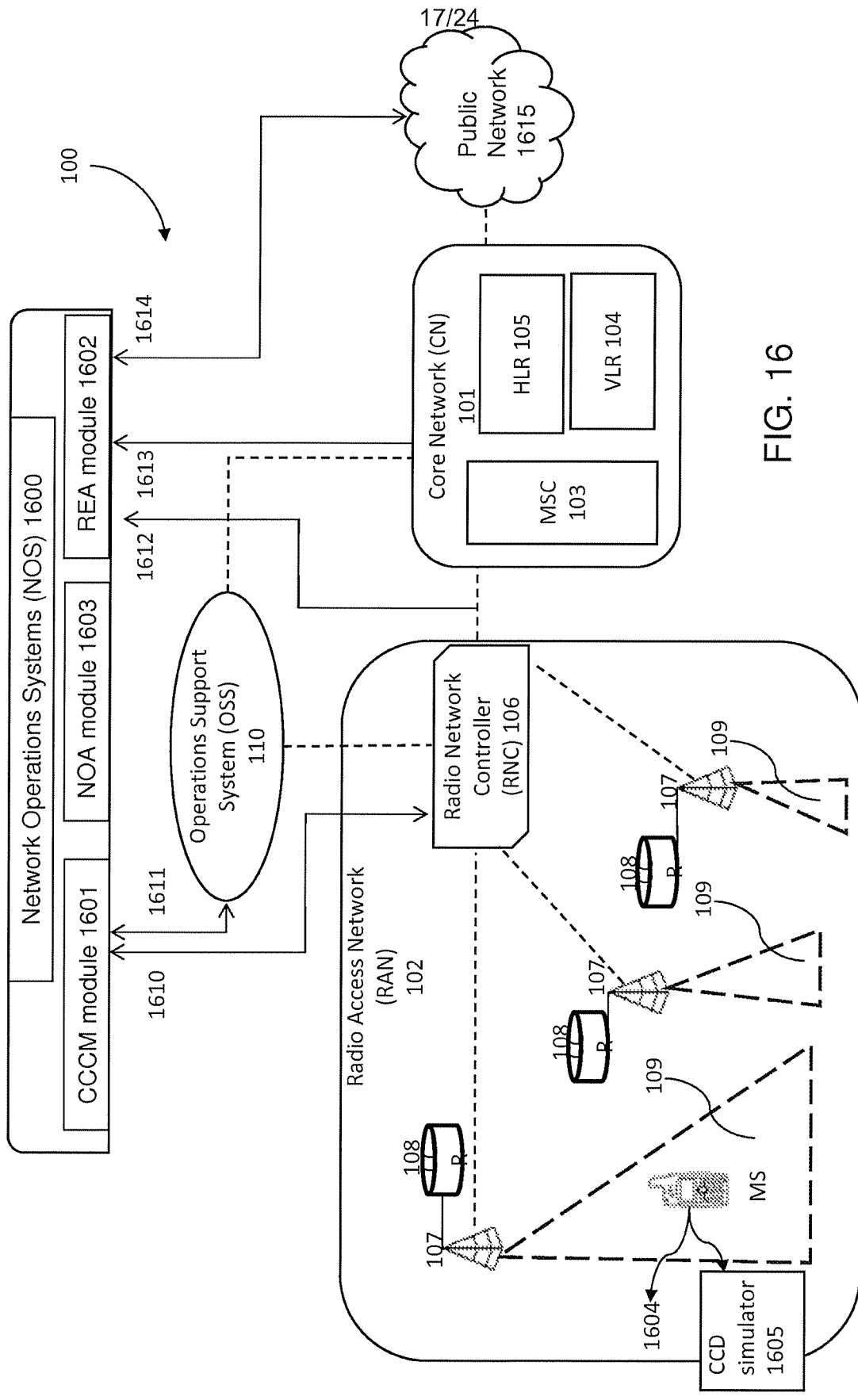
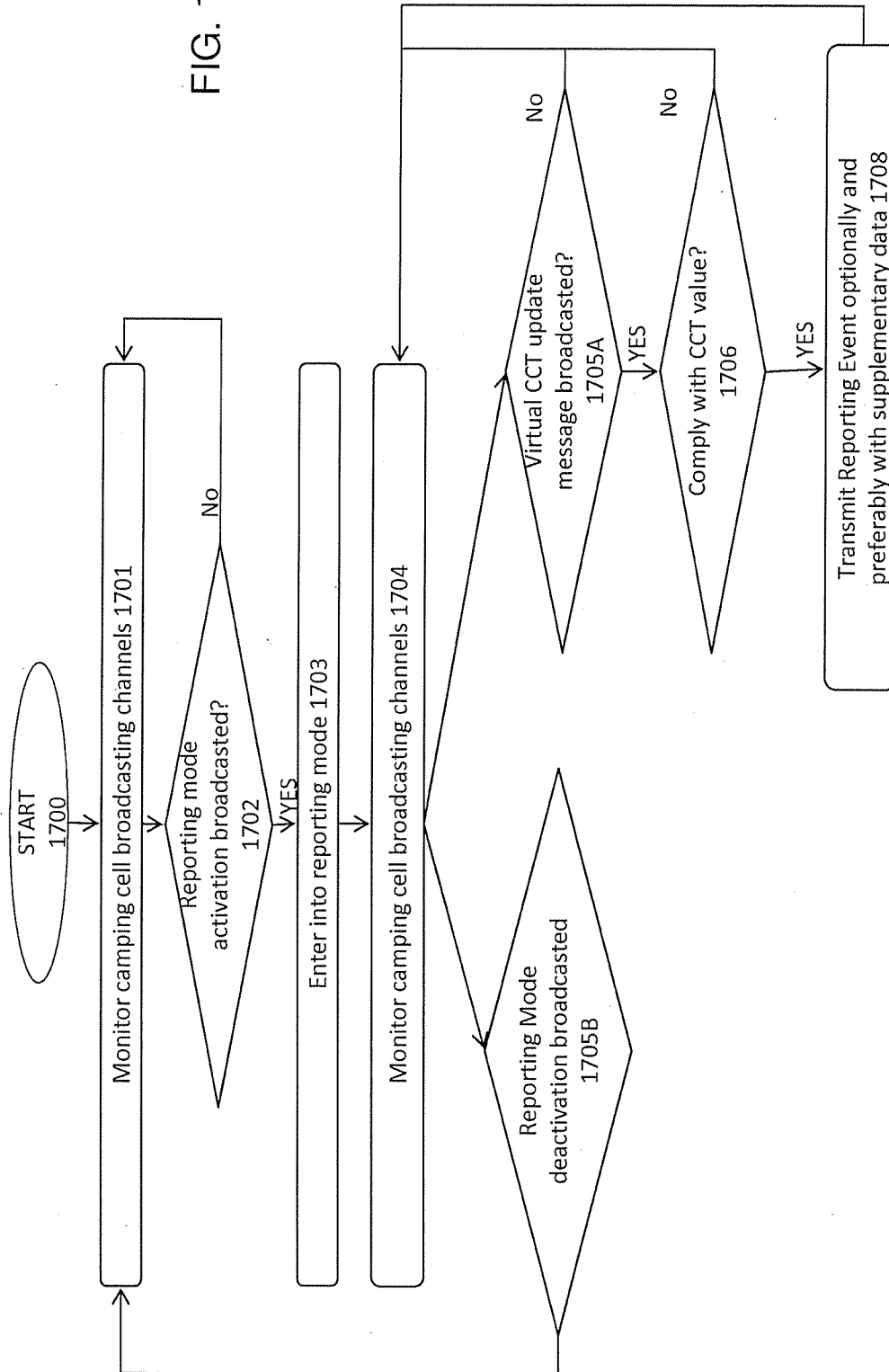


FIG. 16

FIG. 17



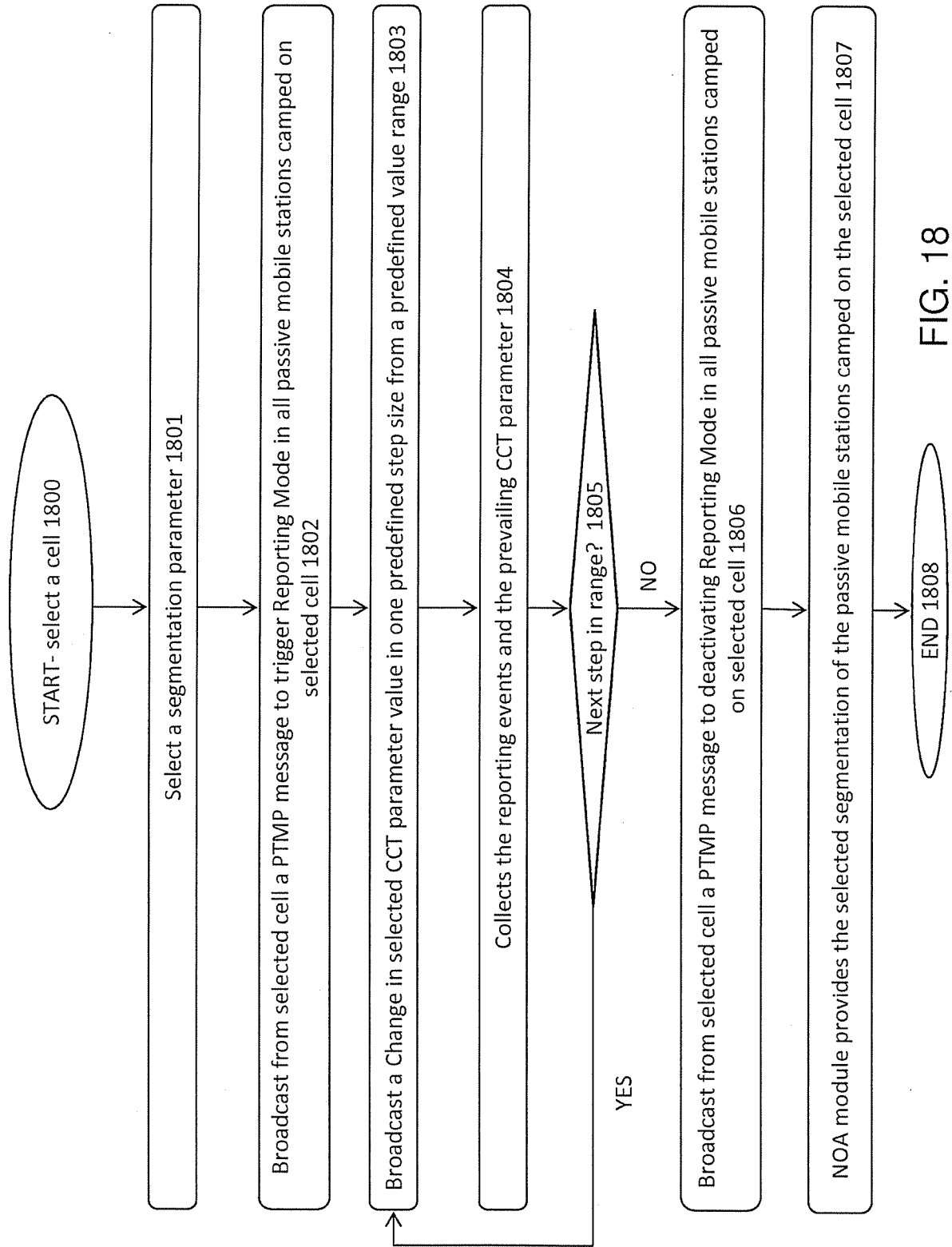


FIG. 18

FIG. 19

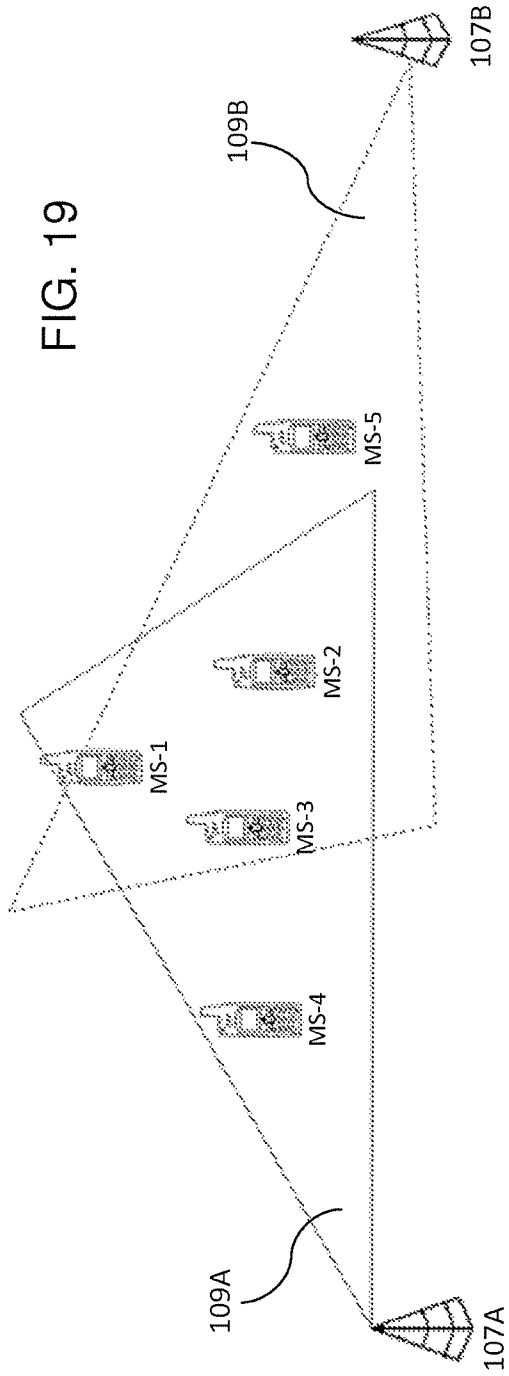


FIG. 20A

$$\underline{T=0}$$

Mobile Station		MS-1		MS-2		MS-3		MS-4		MS-5	
Cell		109A	109B	109A	109B	109A	109B	109A	109B	109A	109B
Present camping cell		YES	NO	YES	NO	YES	NO	YES	NO	NO	YES
Reporting Mode		YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
Reception Signal Strength (dBm)		-60	-75	-65	-80	-85	-100	-50	N/A	N/A	-50
CCT (dBm)		-105	-105	-105	-105	-105	-105	-105	N/A	N/A	-105
CCD Decision		Stay camped on Cell-A		Stay camped on Cell-A		Stay camped on Cell-A		Stay camped on Cell-A		Stay camped on Cell-B	

FIG. 20B

T=1; Change CCT from -105 (dBm) to -70 (dBm) for 109A

Mobile Station Cell	MS-1		MS-2		MS-3		MS-4		MS-5	
	109A	109B	109A	109B	109A	109B	109A	109B	109A	109B
Present camping cell	YES	NO	YES	NO	YES	NO	YES	NO	NO	YES
Reporting Mode	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
Reception Signal Strength (dBm)	-60	-75	-65	-80	-85	-100	-50	N/A	N/A	-50
CCT (dBm)	(-70)*	-105	(-70)*	-105	(-70)*	-105	(-70)*	N/A	N/A	-105
CCD Decision	Stay camped on Cell-A		Stay camped on Cell-A		(Change to Camp on Cell-B)*		Stay camped on Cell-A		Stay camped on Cell-B	

FIG. 20C

T=2; Change CCT from -70(dBm) to -49(dBm) for 109A

Mobile Station Cell	MS-1		MS-2		MS-3		MS-4		MS-5	
	109A	109B	109A	109B	109A	109B	109A	109B	109A	109B
Present camping cell	YES	NO	YES	NO	(NO)*	(YES)*	YES	NO	NO	YES
Reporting Mode	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
Reception Signal Strength (dBm)	-60	-75	-65	-80	-85	-100	-50	N/A	N/A	-50
CCT (dBm)	(-49)*	-105	(-49)*	-105	(-49)*	-105	(-49)*	N/A	N/A	-105
CCD Decision	(Change to camp on Cell-B)*		(Change to camp on Cell-B)*		Stay camped on Cell-B		(Enter No Service Mode)*		Stay camped on Cell-B	

FIG. 20D

T=3; Change CCT from -49(dBm) to -105(dBm) for 109A

Mobile Station Cell	MS-1		MS-2		MS-3		MS-4		MS-5	
	109A	109B	109A	109B	109A	109B	109A	109B	109A	109B
Present camping cell	(NO)*	(YES)*	(NO)*	(YES)*	NO	YES	(NO)*	(YES)*	NO	YES
Reporting Mode	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
Reception Signal Strength (dBm)	-60	-75	-65	-80	-85	-100	-50	N/A	N/A	-50
CCT (dBm)	(-105)*	-105	(-105)*	-105	(-105)*	-105	(-105)*	N/A	N/A	-105
CCD Decision	(Change to camp on Cell-A)*		(Change to camp on Cell-A)*		(Change to camp on Cell-A)*		(Change to camp on Cell-A)*		Stay camped on Cell-B	

T=0

Mobile Station Cell	MS-1		MS-2		MS-3		MS-4		MS-5	
	109A	109B	109A	109B	109A	109B	109A	109B	109A	109B
Present camping cell	YES	NO	YES	NO	YES	NO	YES	NO	NO	YES
Reporting Mode	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
Reception Signal Stengh (dBm)	-60	-75	-65	-80	-85	-100	-50	N/A	N/A	-50
simulated CCT (dBm)	-105	-105	-105	-105	-105	-105	-105	N/A	N/A	-105
simulated CCD Decision	Stay camped on Cell-A		Stay camped on Cell-A		Stay camped on Cell-A		Stay camped on Cell-A		Stay camped on Cell-B	

FIG. 21A

FIG. 21B

T=1; Change CCT from -105 (dBm) to -70 (dBm) for 109A

Mobile Station	MS-1		MS-2		MS-3		MS-4		MS-5	
	109A	109B	109A	109B	109A	109B	109A	109B	109A	109B
Cell										
Present camping cell	YES	NO	YES	NO	YES	NO	YES	NO	NO	YES
Reporting Mode	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
Reception Signal Strength (dBm)	-60	-75	-65	-80	-85	-100	-50	N/A	N/A	-50
simulated CCT (dBm)	(-70)*	-105	(-70)*	-105	(-70)*	-105	(-70)*	N/A	N/A	-105
simulated CCD Decision	do nothing		do nothing		(transmit Reporting Event)*		do nothing		do nothing	

FIG. 21C

T=2; Change CCT from -70(dBm) to -49(dBm) for 109A

Mobile Station	MS-1		MS-2		MS-3		MS-4		MS-5	
	109A	109B	109A	109B	109A	109B	109A	109B	109A	109B
Cell										
Present camping cell	YES	NO	YES	NO	(NO)*	(YES)*	YES	NO	NO	YES
Reporting Mode	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
Reception Signal Strength (dBm)	-60	-75	-65	-80	-85	-100	-50	N/A	N/A	-50
simulated CCT (dBm)	(-49)*	-105	(-49)*	-105	(-49)*	-105	(-49)*	N/A	N/A	-105
simulated CCD Decision	(transmit Reporting Event)*		(transmit Reporting Event)*		do nothing		(transmit Reporting Event)*		do nothing	

FIG. 21D

T=3; Change CCT from -49(dBm) to -105(dBm) for 109A

Mobile Station	MS-1		MS-2		MS-3		MS-4		MS-5	
	109A	109B	109A	109B	109A	109B	109A	109B	109A	109B
Cell										
Present camping cell	(NO)*	(YES)*	(NO)*	(YES)*	NO	YES	(NO)*	(YES)*	NO	YES
Reporting Mode	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
Reception Signal Strength (dBm)	-60	-75	-65	-80	-85	-100	-50	N/A	N/A	-50
simulated CCT (dBm)	(-105)*	-105	(-105)*	-105	(-105)*	-105	(-105)*	N/A	N/A	-105
simulated CCD Decision	do nothing		do nothing		do nothing		do nothing		do nothing	

FIG. 22A

MS	Camping Cell	Camping Cell Signal Strength [dBm]	Neighboring cell
MS-1	109A	-60	109B
MS-2	109A	-65	109B
MS-3	109A	-85	109B
MS-4	109A	-50	N/A

FIG. 22B

