TSG RAN Meeting #21 RP-030540

Frankfurt, Germany, 16 - 19 September 2003

Title CRs (R99/Rel-4/Rel-5/Rel-6) to TS 25.133 on " CELL_DCH to

CELL_FACH/CELL_PCH/URA_PCH transition when a suitable UTRA cell is not

found "

Source Nokia, Motorola, Qualcomm

Agenda Item 7.5.3

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level	Workitem
25.133	613	-		CELL_DCH to CELL_FACH/CELL_PCH/URA_PCH transition when a suitable UTRA cell is not found	F	3.14.0	3.15.0		TEI
25.133	614	-		CELL_DCH to CELL_FACH/CELL_PCH/URA_PCH transition when a suitable UTRA cell is not found	А	4.9.0	4.10.0		TEI
25.133	615	-		CELL_DCH to CELL_FACH/CELL_PCH/URA_PCH transition when a suitable UTRA cell is not found	А	5.7.0	5.8.0		TEI
25.133	616	-		CELL_DCH to CELL_FACH/CELL_PCH/URA_PCH transition when a suitable UTRA cell is not found	Α	6.2.0	6.3.0		TEI

			СН	ANGE	REQ	UE	ST			CR	?-Form-v7
*	2	<mark>25.133</mark>	CR <mark>613</mark>	3	≋rev	-	æ	Current ver	sion: 3	.14.0 ^a	8
For <u>HELF</u>	on usir	ng this fo	rm, see bott	om of this	page or	look a	at the	e pop-up tex	t over th	ne Ж symb	ols.
Proposed cha	ange afi	fects:	UICC apps	g	ME X	Rad	lio A	ccess Netwo	ork	Core Netw	ork
Title:	(cell is no			ELL_PCI	H/UR/	4_P(CH transition	when a	a suitable U	JTRA
Source:	₩	Nokia, M	lotorola, Qua	lcomm							
Work item co	de: 🖁 🦳	TEI						Date: \$	€ <u>17/0</u> 9	9/2003	
Category:	D	Se one or F (co	f the following rrection) rresponds to Idition of featu nctional modific splanations of 3GPP TR 21	a correctior re), ication of fe ation) the above	n in an ea eature)		lease	2	f the follo (GSM I (Releas (Releas (Releas		es:
		o round ii		<u></u> .				Rel-6	(Releas	,	
Reason for cl	hange:	the no l four wou ava	en the UE m RRC specific JE behaviou nd. If the UE Id not be ab ilable. In this her cells are	cation required is described were to color to color to find 2 case the	uires the bed for the ontinue to 2G cells of UE woul	UE to ne cas o seal of the	se th rch fo RPL	ect a suitable at no suitable or a UTRA c MN, or cells	le UTRA le UTRA ell indef of othe	A cell'. How A cell can b initely ther r PLMNs if	rever, be n it
Summary of o	change:	of s 25.3	proposed the ervice' and p 331 require a r some furth	erforms a in 'out of s	ctions ac ervice' L	cordi IE to p	ng to perfo	25.331. The orm cell sele	e action ction on	s describe	d in
Consequence not approved		cou	transition fro ld search for mergency ca	a suitable	UTRA d	cell ind	defin	itely and so	could be	e denied a	ccess
Clauses affect	ted:	% 4.2.	2.1, 5.5.2.3								
Other specs affected:	ante:	¥ Y N	Other core Test speci	fications	tions	æ					

- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

The UE shall measure the CPICH Ec/Io and CPICH RSCP level of the serving cell and evaluate the cell selection criterion S defined in [1] for the serving cell at least every DRX cycle. The UE shall filter the CPICH Ec/Io and CPICH RSCP measurements of the serving cell using at least 2 measurements, which are taken so that the time difference between the measurements is at least $T_{measureFDD}/2$ (see table 4.1).

If the UE has evaluated in N_{serv} consecutive DRX cycles that the serving cell does not fulfil the cell selection criterion S, the UE shall initiate the measurements of all neighbour cells indicated in the measurement control system information, regardless of the measurement rules currently limiting UE measurement activities.

If the UE has not found any new suitable cell based on searches and measurements of the neighbour cells indicated in the measurement control system information for 12 s, the UE shall initiate cell selection procedures for the selected PLMN as defined in [1]

After this 12 s period a UE in Cell:PCH or URA_PCH is considered to be "out of service area" and shall perform actions according to 25.331.

The S-criteria detection delay is defined as the time between the occurrence of an event which leads to that the cell selection criteria S for serving cell is not fulfilled and the moment in time when the UE detects that the cell selection criteria S for serving cell is not fulfilled.

The UE shall filter the CPICH Ec/Io and CPICH RSCP measurements used for cell selection criteria S evaluation of the serving cell over at least 3 measurement periods $T_{Measurement\ Period\ Intra}$.

The S-critera detection delay in CELL_FACH state shall be less than:

$$T_{S\text{-criteria}} = 5 \times T_{Measurement_Period\ Intra}\ ms$$

where

 $T_{Measurement_Period\ Intra} \qquad = Specified\ in\ 8.4.2.2.2.$

The UE is "out of service area" if the UE has evaluated for 4 s that that the serving cell does not fulfil the cell selection criterion S and if the UE has not found any new suitable cell based on searches and measurements of the neighbour cells indicated in the measurement control system information during these 4 s. When the UE is "out of service area" it shall initiate cell selection procedures for the selected PLMN as defined in [1].

CHANGE REQUEST												CR-Form-v7
*		25	.133	CR 61	4	жrev	-	ж	Current ve	ersion:	4.9.0	ж
For <u>HE</u>	<u>LP</u> on u	ising i	this for	rm, see bo	ttom of this	s page or	look	at the	e pop-up te	xt over	r the % sy	mbols.
Proposed (change :	affec	<i>ts:</i> (JICC apps	#	ME X	R ac	dio A	ccess Netw	ork	Core No	etwork
Title:	ж	cel	is not	found.		ELL_PC	H/UR	A_P(CH transitio	n whe	n a suitabl	e UTRA
Source:	*	No	kia, Mo	otorola, Qu	alcomm							
Work item	code: ૠ	TE							Date:	3 17	/09/2003	
Category:	₩	Deta	F (cord A (cord B (add C (fund D (edi iled exp	the following rection) responds to dition of feat ctional modifications of planations of 3GPP TR 2	a correction fure), ification of the cation) of the above	on in an ea feature)		elease	2	of the fo (GSI (Rela (Rela (Rela (Rela (Rela (Rela	el-4 ollowing rela M Phase 2) ease 1996) ease 1997) ease 1999) ease 4) ease 5)	
Reason for	r change	e: Ж	the F no U foun- woul avail	RRC specification in the RRC specification in	ication redur is described to describe to describe to find seconds to find seconds the described in the desc	quires the ribed for to continue to 2G cells to UE wou	e UE to the ca to sea of the	o 'sel se th rch f RPL	ELL/FACH/Olect a suital nat no suital or a UTRA MN, or cell able to mak	ole UT ole UT cell ind s of ot	RA cell'. H RA cell ca definitely th her PLMN	lowever, n be hen it s if
Summary o	of chang	ge: #	of se	rvice' and 31 require	performs an 'out of	actions a service' l	ccordi JE to	ing to perfo	not found the 25.331. To come cell selection of the PL	he acti	ons descri	bed in
Consequei not approv		*	could	d search fo	r a suitabl	e UTRA	cell in	defin	H/CELL_P nitely and so ner PLMNs	could	l be denied	daccess
Clauses af	fected:	ж	4.2.2	2.1, 5.5.2.3								
Other spec affected:		*	YN	Test spe	re specific cifications ecifications		ж					

- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

The UE shall measure the CPICH Ec/Io and CPICH RSCP level of the serving cell and evaluate the cell selection criterion S defined in [1] for the serving cell at least every DRX cycle. The UE shall filter the CPICH Ec/Io and CPICH RSCP measurements of the serving cell using at least 2 measurements, which are taken so that the time difference between the measurements is at least $T_{measureFDD}/2$ (see table 4.1).

If the UE has evaluated in N_{serv} consecutive DRX cycles that the serving cell does not fulfil the cell selection criterion S, the UE shall initiate the measurements of all neighbour cells indicated in the measurement control system information, regardless of the measurement rules currently limiting UE measurement activities.

If the UE has not found any new suitable cell based on searches and measurements of the neighbour cells indicated in the measurement control system information for 12 s, the UE shall initiate cell selection procedures for the selected PLMN as defined in [1].

After this 12 s period a UE in Cell:PCH or URA_PCH is considered to be "out of service area" and shall perform actions according to 25.331.

The S-criteria detection delay is defined as the time between the occurrence of an event which leads to that the cell selection criteria S for serving cell is not fulfilled and the moment in time when the UE detects that the cell selection criteria S for serving cell is not fulfilled.

The UE shall filter the CPICH Ec/Io and CPICH RSCP measurements used for cell selection criteria S evaluation of the serving cell over at least 3 measurement periods $T_{Measurement_Period\ Intra}$.

The S-critera detection delay in CELL_FACH state shall be less than:

$$T_{S\text{-criteria}} = 5 \times T_{Measurement_Period\ Intra}\ ms$$

where

 $T_{Measurement_Period\ Intra} = Specified\ in\ 8.4.2.2.2.$

The UE is "out of service area" if the UE has evaluated for 4 s that that the serving cell does not fulfil the cell selection criterion S and if the UE has not found any new suitable cell based on searches and measurements of the neighbour cells indicated in the measurement control system information during these 4 s. When the UE is "out of service area" it shall initiate cell selection procedures for the selected PLMN as defined in [1].

## 25.133 CR 615 #rev - # Current version: 5.7.0 ## For HELP on using this form, see bottom of this page or look at the pop-up text over the # symbols Proposed change affects: UICC apps# ME X Radio Access Network Core Network Proposed change affects: UICC apps# ME X Radio Access Network Core Network Core Network	CR-Form-v7	CHANGE REQUEST											
Title:	5.7.0 **	Current versi	æ	-	жrev	315	CR 6	.133	2		æ		
Title:	er the % symbols.	e pop-up text (at th	look	page or	bottom of this	m, see b	this for	using	<u>IELP</u> on เ	For <u>H</u>		
cell is not found. Source: % Nokia, Motorola, Qualcomm Work item code: % TEI	Core Network	ccess Network	idio A	(Ra	ME X	ps #	JICC app	ets: l	e affe	ed change	Propose		
Work item code: TEI Date: 17/09/2003 Release: Rel-5 Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) Page (Release 1997) C (functional modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900. Reason for change: When the UE moves from CELL_DCH to CELL/FACH/CELL_PCH/URA_PCH, the RRC specification requires the UE to 'select a suitable UTRA cell can be found. If the UE were to continue to search for a UTRA cell indefinitely then it would not be able to find 2G cells of the RPLMN, or cells of other PLMNs if available. In this case the UE would not be able to make an emergency call e if other cells are available. Summary of change: It is proposed that if a suitable UTRA cell is not found then the UE moves to of service' and performs actions according to 25.331. The actions described in 25.331 require an 'out of service' UE to perform cell selection on the RPLMN after some further time to perform a search for other PLMNs. Consequences if On transition from CELL_DCH to CELL/FACH/CELL_PCH/URA_PCH, a UE	en a suitable UTRA	CH transition v	RA_P	H/UR	ELL_PC		found.	ll is not	CE				
Category: A Use one of the following categories:						Qualcomm	otorola, Q	kia, Mo	₩ No	₩	Source:		
Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) R97 (Release 1997) C (functional modification) R98 (Release 1998) D (editorial modification) R99 (Release 1999) Detailed explanations of the above categories can Rel-4 (Release 4) be found in 3GPP TR 21.900. Rel-6 (Release 5) Rel-6 (Release 6) Reason for change: When the UE moves from CELL_DCH to CELL/FACH/CELL_PCH/URA_PCH the RRC specification requires the UE to 'select a suitable UTRA cell'. Howev no UE behaviour is described for the case that no suitable UTRA cell can be found. If the UE were to continue to search for a UTRA cell indefinitely then it would not be able to find 2G cells of the RPLMN, or cells of other PLMNs if available. In this case the UE would not be able to make an emergency call e if other cells are available. Summary of change: It is proposed that if a suitable UTRA cell is not found then the UE moves to 'o of service' and performs actions according to 25.331. The actions described i 25.331 require an 'out of service' UE to perform cell selection on the RPLMN after some further time to perform a search for other PLMNs. Consequences if On transition from CELL_DCH to CELL/FACH/CELL_PCH/URA_PCH, a UE	7/09/2003	Date: ₩						1	Ж _ T[em code: #	Work ite		
the RRC specification requires the UE to 'select a suitable UTRA cell'. However no UE behaviour is described for the case that no suitable UTRA cell can be found. If the UE were to continue to search for a UTRA cell indefinitely then it would not be able to find 2G cells of the RPLMN, or cells of other PLMNs if available. In this case the UE would not be able to make an emergency call exif other cells are available. Summary of change: It is proposed that if a suitable UTRA cell is not found then the UE moves to 'of service' and performs actions according to 25.331. The actions described in 25.331 require an 'out of service' UE to perform cell selection on the RPLMN after some further time to perform a search for other PLMNs. Consequences if On transition from CELL_DCH to CELL/FACH/CELL_PCH/URA_PCH, a UE	following releases: SM Phase 2) elease 1996) elease 1997) elease 1998) elease 1999) elease 4)	Use <u>one</u> of t 2 (e) R96 (R97 (R98 (R99 (Rel-4 (Rel-5 (n in an ea eature)	s to a correction eature), odification of the dification) s of the above	rection) responds dition of fea ctional modi torial modi olanations	F (corr A (corr B (add C (fun D (edit ailed exp	<i>Use</i> Det	<i>'y:</i> ¥	Categor		
the RRC specification requires the UE to 'select a suitable UTRA cell'. However no UE behaviour is described for the case that no suitable UTRA cell can be found. If the UE were to continue to search for a UTRA cell indefinitely then it would not be able to find 2G cells of the RPLMN, or cells of other PLMNs if available. In this case the UE would not be able to make an emergency call exif other cells are available. Summary of change: It is proposed that if a suitable UTRA cell is not found then the UE moves to 'of service' and performs actions according to 25.331. The actions described in 25.331 require an 'out of service' UE to perform cell selection on the RPLMN after some further time to perform a search for other PLMNs. Consequences if On transition from CELL_DCH to CELL/FACH/CELL_PCH/URA_PCH, a UE	DCH/UDA DCH		to CE	УС Ц :	CELL F	- mayon from	n tha LIC	\//ba	~~. 9	for obong	Bosson		
of service' and performs actions according to 25.331. The actions described i 25.331 require an 'out of service' UE to perform cell selection on the RPLMN after some further time to perform a search for other PLMNs. Consequences if ** On transition from CELL_DCH to CELL/FACH/CELL_PCH/URA_PCH, a UE	TRA cell'. However, TRA cell can be ndefinitely then it other PLMNs if	elect a suitable nat no suitable for a UTRA cel LMN, or cells o	to 'se ase th arch f e RPI	HE to the case of the	uires the ibed for t continue t 2G cells UE woul	cification red riour is descr UE were to describe able to find this case the	RRC spec E behavion d. If the U d not be a able. In the	the F no U found woul avail	ge: a	tor change	Reason		
	tions described in on the RPLMN and	o 25.331. The orm cell selection	ding to perfo	ccord JE to	actions ad service' L	nd performs a re an 'out of	ervice' and 31 require	of se	nge: \$	ry of chane	Summar		
to emergency calls on 2G cells or cells of other PLMNs that might be available	d be denied access	nitely and so co	ndefir	cell ir	e UTRA	for a suitabl	d search f	could	· }				
Clauses affected: # 4.2.2.1, 5.5.2.3						2.3	2.1, 5.5.2.	4.2.2	<i>:</i> 3	affected:	Clauses		
Other specs affected: Y N Other core specifications X Test specifications O&M Specifications Other comments: X				æ		core specifications	Other co	YN	9	pecs I:	Other sp		

- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

The UE shall measure the CPICH Ec/Io and CPICH RSCP level of the serving cell and evaluate the cell selection criterion S defined in [1] for the serving cell at least every DRX cycle. The UE shall filter the CPICH Ec/Io and CPICH RSCP measurements of the serving cell using at least 2 measurements, which are taken so that the time difference between the measurements is at least $T_{measureFDD}/2$ (see table 4.1).

If the UE has evaluated in N_{serv} consecutive DRX cycles that the serving cell does not fulfil the cell selection criterion S, the UE shall initiate the measurements of all neighbour cells indicated in the measurement control system information, regardless of the measurement rules currently limiting UE measurement activities.

If the UE has not found any new suitable cell based on searches and measurements of the neighbour cells indicated in the measurement control system information for 12 s, the UE shall initiate cell selection procedures for the selected PLMN as defined in [1].

After this 12 s period a UE in Cell:PCH or URA_PCH is considered to be "out of service area" and shall perform actions according to 25.331.

The S-criteria detection delay is defined as the time between the occurrence of an event which leads to that the cell selection criteria S for serving cell is not fulfilled and the moment in time when the UE detects that the cell selection criteria S for serving cell is not fulfilled.

The UE shall filter the CPICH Ec/Io and CPICH RSCP measurements used for cell selection criteria S evaluation of the serving cell over at least 3 measurement periods $T_{Measurement_Period\ Intra}$.

The S-critera detection delay in CELL_FACH state shall be less than:

$$T_{S\text{-criteria}} = 5 \times T_{Measurement_Period\ Intra}\ ms$$

where

 $T_{Measurement_Period\ Intra} = Specified\ in\ 8.4.2.2.2.$

The UE is "out of service area" if the UE has evaluated for 4 s that that the serving cell does not fulfil the cell selection criterion S and if the UE has not found any new suitable cell based on searches and measurements of the neighbour cells indicated in the measurement control system information during these 4 s. When the UE is "out of service area" it shall initiate cell selection procedures for the selected PLMN as defined in [1].

CHANGE REQUEST												CR-Form-v7
æ		25	.133	CR 61	16	жrev	-	ж	Current ve	rsion:	6.2.0	ж
For <u>HEL</u>	. <u>P</u> on u	sing i	this for	rm, see bo	ottom of thi	s page or	look	at th	e pop-up tex	kt over	the % sy	mbols.
Proposed c	hange (affec	<i>ts:</i> (JICC app	s #	ME X	Rad	A oib	ccess Netwo	ork	Core N	etwork
Title:	ж	cel	is not	found.		CELL_PC	H/UR	A_P(CH transition	n wher	n a suitabl	le UTRA
Source:	*	No	kia, Mo	otorola, Q	ualcomm							
Work item of	ode: Ж	TE							Date: 8	£ 17,	/09/2003	
Category:	**	Deta	F (cord A (cord B (add C (fund D (edi iled exp	rection) responds t dition of fea ctional mod torial modil	dification of ication) of the above	on in an ea feature)		elease	2	of the for (GSI) (Rela (Rela (Rela (Rela (Rela (Rela	el-6 collowing religion Phase 2) coase 1996) coase 1997) coase 1998) coase 1999) coase 4) coase 5)	
Reason for			the F no U foun- woul avail if oth	RRC speci E behavion d. If the U d not be a able. In the	fication recour is described were to describe to find its case the eavailable	quires the ribed for t continue t 2G cells e UE wou e.	UE to the ca to sea of the Id not	o 'se se th rch f RPL be a	ELL/FACH/C lect a suitab lect no suitab or a UTRA o LMN, or cells able to make	le UTI le UTI cell inc s of oth an er	RA cell'. H RA cell ca definitely the ner PLMN mergency	lowever, in be hen it is if call even
Summary o	f chang	ye: ₩	of se	ervice' and 31 require	performs an 'out of	actions ad service' l	ccordi JE to	ng to perfo	not found the 25.331. The orm cell selector other PLI	e action of	ons descri	ibed in
Consequen not approve		*	could	d search f	or a suitab	le UTRA	cell in	defin	H/CELL_PO hitely and so her PLMNs t	could	be denied	d access
Clauses affe	ected:	ж	4.2.2	2.1, 5.5.2.3	3							
Other specs affected: Other comm		*	YN	Test spe	re specific cifications ecifications		ж					

- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

The UE shall measure the CPICH Ec/Io and CPICH RSCP level of the serving cell and evaluate the cell selection criterion S defined in [1] for the serving cell at least every DRX cycle. The UE shall filter the CPICH Ec/Io and CPICH RSCP measurements of the serving cell using at least 2 measurements, which are taken so that the time difference between the measurements is at least $T_{measureFDD}/2$ (see table 4.1).

If the UE has evaluated in N_{serv} consecutive DRX cycles that the serving cell does not fulfil the cell selection criterion S, the UE shall initiate the measurements of all neighbour cells indicated in the measurement control system information, regardless of the measurement rules currently limiting UE measurement activities.

If the UE has not found any new suitable cell based on searches and measurements of the neighbour cells indicated in the measurement control system information for 12 s, the UE shall initiate cell selection procedures for the selected PLMN as defined in [1].

After this 12 s period a UE in Cell:PCH or URA_PCH is considered to be "out of service area" and shall perform actions according to 25.331.

The S-criteria detection delay is defined as the time between the occurrence of an event which leads to that the cell selection criteria S for serving cell is not fulfilled and the moment in time when the UE detects that the cell selection criteria S for serving cell is not fulfilled.

The UE shall filter the CPICH Ec/Io and CPICH RSCP measurements used for cell selection criteria S evaluation of the serving cell over at least 3 measurement periods $T_{Measurement_Period\ Intra}$.

The S-critera detection delay in CELL_FACH state shall be less than:

$$T_{S\text{-criteria}} = 5 \times T_{Measurement_Period\ Intra}\ ms$$

where

 $T_{Measurement_Period\ Intra} = Specified\ in\ 8.4.2.2.2.$

The UE is "out of service area" if the UE has evaluated for 4 s that that the serving cell does not fulfil the cell selection criterion S and if the UE has not found any new suitable cell based on searches and measurements of the neighbour cells indicated in the measurement control system information during these 4 s. When the UE is "out of service area" it shall initiate cell selection procedures for the selected PLMN as defined in [1].