TSG RAN Meeting #17   **RP-020630**
Biarritz, France, 3 - 6 September, 2002

Title	Linked CRs on TS 25.433 (RAN WG3) and TS 25.331 (RAN WG2) on IP_offset correction
Source	**TSG RAN WG3**
Agenda Item	**7.3.6**

RAN3 Tdoc	Spec	curr. Vers.	new Vers.	REL	CR	Rev	Cat	Title	Work item
R3-022164	25.433	4.5.0	4.6.0	REL-4	726	2	F	IP_offset correction	TEI4
R3-022165	25.433	5.1.0	5.2.0	REL-5	727	2	A	IP_offset correction	TEI4

RAN2 Tdoc	Spec	curr. Vers.	new Vers.	REL	CR	Rev	Cat	Title	Work item
R2-022419	25.331	3.11.0	3.12.0	R99	1597	1	F	IP_offset correction	TEI
R2-022420	25.331	4.5.0	4.6.0	REL-4	1598	1	A	IP_offset correction	TEI
R2-022421	25.331	5.1.0	5.2.0	REL-5	1599	1	A	IP_offset correction	TEI

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CHANGE REQUEST

⌘ **25.331** CR **1597** ⌘ **rev** **1** ⌘ Current version: **3.11.0** ⌘

*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 ☐ Radio Access Network **X** Core Network ☐

Title: ⌘	IP_offset correction		
Source: ⌘	TSG-RAN WG2		
Work item code: ⌘	TEI	***Date:*** ⌘	July 2002
Category: ⌘	**F**	***Release:*** ⌘	R99

Use <u>one</u> of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use <u>one</u> of the following releases:
2   *(GSM Phase 2)*
R96   *(Release 1996)*
R97   *(Release 1997)*
R98   *(Release 1998)*
R99   *(Release 1999)*
Rel-4 *(Release 4)*
Rel-5 *(Release 5)*
Rel-6 *(Release 6)*

Reason for change: ⌘	<u>Revision 1:</u> Due to ongoing discussion in RAN3, it is proposed to remove the semantics description which is anyway not relevant from UE point of view. <u>First revision:</u> Section 10.3.7.98 currently suggests that the UTRAN should set the value of the "IP offset" IE to the same value as the variable Tcell. <u>Tcell:</u> "T_cell represents the Timing delay used for defining the start of SCH, CPICH and the DL Scrambling Code(s) in a cell relative BFN" (25.402) <u>IP offset:</u> IP offset indicates an offset w.r.t the SFN timing (25.214): $IP\_Position(x) = (x \times IP\_Spacing \times 150) + (rand(x \bmod 64) \bmod (150 - IP\_Length)) + IP\_Offset;$ <u>Example:</u> E.g. assume we have 2 cells in a Node-B: Cell-1 with a Tcell of 2 * 256chips; Cell-2 with a Tcell of 6 * 256 chips By adding an equal IP-offset (expressed in CPICH symbols) for the IPDL periods, Cell 1 will have an offset of 1024 ((2+2)*256) chips relative to the BFN, and cell 2 will have an offset of 3072 ((6+6)*256) chips. Thus no alignment will be achieved

Summary of change: ⌘	It is proposed to remove the concerning semantics description.	
	Isolated Impact Change Analysis.	
	Impacted functionality: Setting of IPDL parameter	
	Note: The corrections have no foreseen impact on the T1 test specifications.	
	Clarification: This CR has no UE impact. This CR does influence UTRAN functionality, however the current text indicates a solution which does not work.	

Consequences if ***not approved:***	⌘	If this CR is not accepted, confusion will remain regarding the setting of the IP offset due to the incorrect semantics description.

Clauses affected:	⌘	10.3.7.98

		Y	**N**		
Other specs ***affected:***	⌘	X		Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	

Other comments:	⌘	

How to create CRs using this form:

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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.

10.3.7.98   UE positioning IPDL parameters

This IE contains parameters for the IPDL mode. The use of this parameters is described in [29].

Information Element/Group name	Need	Multi	Type and Reference	Semantics description
IP spacing	MP		Integer(5,7,10,15,20,30,40,50)	See [29]
IP length	MP		Integer(5,10)	See [29]
IP offset	MP		Integer(0..9)	~~Relates the BFN and SFN, should be same as T_cell defined in [10];~~ See [29]
Seed	MP		Integer(0..63)	See [29]
Burst mode parameters	OP			
>Burst Start	MP		Integer(0..15)	See [29]
>Burst Length	MP		Integer(10..25)	See [29]
>Burst freq	MP		Integer(1..16)	See [29]

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CHANGE REQUEST

⌘ **25.331** CR **1598** ⌘ **rev** **1** ⌘ Current version: **4.5.0** ⌘

*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 ☐ Radio Access Network **X** Core Network ☐

Title: ⌘	IP_offset correction	
Source: ⌘	TSG-RAN WG2	
Work item code: ⌘ TEI	***Date:*** ⌘	July 2002
Category: ⌘ **A**	***Release:*** ⌘	Rel-4

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)
D (editorial modification)
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2   (GSM Phase 2)
R96   (Release 1996)
R97   (Release 1997)
R98   (Release 1998)
R99   (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘	Revision 1: Due to ongoing discussion in RAN3, it is proposed to remove the semantics description which is anyway not relevant from UE point of view.

First revision:
Section 10.3.7.98 currently suggests that the UTRAN should set the value of the "IP offset" IE to the same value as the variable Tcell.

Tcell:

"T_cell represents the Timing delay used for defining the start of SCH, CPICH and the DL Scrambling Code(s) in a cell relative BFN" (25.402)

IP offset:
IP offset indicates an offset w.r.t the SFN timing (25.214):

$IP\_Position(x) = (x \times IP\_Spacing \times 150) + (rand(x \bmod 64) \bmod (150 - IP\_Length)) + IP\_Offset;$

Example:
E.g. assume we have 2 cells in a Node-B:

Cell-1 with a Tcell of 2 * 256chips;

Cell-2 with a Tcell of 6 * 256 chips

By adding an equal IP-offset (expressed in CPICH symbols) for the IPDL periods, Cell 1 will have an offset of 1024 ((2+2)*256) chips relative to the BFN, and cell 2 will have an offset of 3072 ((6+6)*256) chips. Thus no alignment will be achieved

Summary of change: ⌘	It is proposed to remove the concerning semantics description.
	Isolated Impact Change Analysis.
	Impacted functionality: Setting of IPDL parameter
	Note: The corrections have no foreseen impact on the T1 test specifications.
	Clarification: This CR has no UE impact. This CR does influence UTRAN functionality, however the current text indicates a solution which does not work.

Consequences if not approved:	⌘	If this CR is not accepted, confusion will remain regarding the setting of the IP offset due to the incorrect semantics description.

Clauses affected:	⌘	10.3.7.98

		Y	**N**			
Other specs affected:	⌘	X		Other core specifications	⌘	
			X	Test specifications		
			X	O&M Specifications		

Other comments:	⌘	

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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.

10.3.7.98   UE positioning IPDL parameters

This IE contains parameters for the IPDL mode. The use of this parameters is described in [29].

Information Element/Group name	Need	Multi	Type and Reference	Semantics description	Version
CHOICE *mode*					REL-4
>FDD					REL-4
>>IP spacing	MP		Integer(5,7,10,15,20,30,40,50)	See [29]	
>>IP length	MP		Integer(5,10)	See [29]	
>>IP offset	MP		Integer(0..9)	~~Relates the BFN and SFN, should be same as T_cell defined in [10];~~ See [29]	
>>Seed	MP		Integer(0..63)	See [29]	
>TDD					REL-4
>>IP spacing	MP		Integer(30,40,50,70,100)	See [33]	REL-4
>>IP_Start	MP		Integer(0..4095)	See [33]	REL-4
>>IP_Slot	MP		Integer(0..14)	See [33]	REL-4
>>IP_PCCPCH	CV-*channel*		Boolean	See [33]	REL-4
Burst mode parameters	OP				
>Burst Start	MP		Integer(0..15)	See [29] and [33]	
>Burst Length	MP		Integer(10..25)	See [29] and [33]	
>Burst freq	MP		Integer(1..16)	See [29] and [33]	

Condition	Explanation
channel	This IE is present only if the idle slot carries the PCCPCH

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CHANGE REQUEST

⌘   **25.331** CR **1599**   ⌘ **rev** **1** ⌘   Current version: **5.1.0** ⌘

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 ☐ Radio Access Network **X** Core Network ☐

Title:	⌘	IP_offset correction	
Source:	⌘	TSG-RAN WG2	
Work item code: ⌘	TEI		**Date:** ⌘ July 2002
Category:	⌘ **A**		**Release:** ⌘ Rel-5

Use <u>one</u> of the following categories:
   F (correction)
   A (corresponds to a correction in an earlier release)
   B (addition of feature),
   C (functional modification of feature)
   D (editorial modification)
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use <u>one</u> of the following releases:
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   R97   (Release 1997)
   R98   (Release 1998)
   R99   (Release 1999)
   Rel-4   (Release 4)
   Rel-5   (Release 5)
   Rel-6   (Release 6)

Reason for change: ⌘

Revision 1:
Due to ongoing discussion in RAN3, it is proposed to remove the semantics description which is anyway not relevant from UE point of view.

First revision:
Section 10.3.7.98 currently suggests that the UTRAN should set the value of the "IP offset" IE to the same value as the variable Tcell.

Tcell:

"T_cell represents the Timing delay used for defining the start of SCH, CPICH and the DL Scrambling Code(s) in a cell relative BFN" (25.402)

IP offset:
IP offset indicates an offset w.r.t the SFN timing (25.214):

$IP\_Position(x) = (x \times IP\_Spacing \times 150) + (rand(x \bmod 64) \bmod (150 - IP\_Length)) + IP\_Offset;$

Example:
E.g. assume we have 2 cells in a Node-B:

Cell-1 with a Tcell of 2 * 256chips;

Cell-2 with a Tcell of 6 * 256 chips

By adding an equal IP-offset (expressed in CPICH symbols) for the IPDL periods, Cell 1 will have an offset of 1024 ((2+2)*256) chips relative to the BFN, and cell 2 will have an offset of 3072 ((6+6)*256) chips. Thus no alignment will be achieved

Summary of change: ⌘	It is proposed to remove the concerning semantics description.	
	Isolated Impact Change Analysis.	
	Impacted functionality: Setting of IPDL parameter	
	Note: The corrections have no foreseen impact on the T1 test specifications.	
	Clarification: This CR has no UE impact. This CR does influence UTRAN functionality, however the current text indicates a solution which does not work.	

Consequences if not approved:	⌘	If this CR is not accepted, confusion will remain regarding the setting of the IP offset due to the incorrect semantics description.

Clauses affected:	⌘	10.3.7.98

Other specs affected:	⌘	Y	N		⌘	
			X	Other core specifications		
			X	Test specifications		
			X	O&M Specifications		

Other comments:	⌘	

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10.3.7.98   UE positioning IPDL parameters

This IE contains parameters for the IPDL mode. The use of this parameters is described in [29].

Information Element/Group name	Need	Multi	Type and Reference	Semantics description	Version
CHOICE *mode*					REL-4
>FDD					REL-4
>>IP spacing	MP		Integer(5,7,10,15,20,30,40,50)	See [29]	
>>IP length	MP		Integer(5,10)	See [29]	
>>IP offset	MP		Integer(0..9)	~~Relates the BFN and SFN, should be same as T_cell defined in [10];~~ See [29]	
>>Seed	MP		Integer(0..63)	See [29]	
>TDD					REL-4
>>IP spacing	MP		Integer(30,40,50,70,100)	See [33]	REL-4
>>IP_Start	MP		Integer(0..4095)	See [33]	REL-4
>>IP_Slot	MP		Integer(0..14)	See [33]	REL-4
>>IP_PCCPCH	CV-*channel*		Boolean	See [33]	REL-4
Burst mode parameters	OP				
>Burst Start	MP		Integer(0..15)	See [29] and [33]	
>Burst Length	MP		Integer(10..25)	See [29] and [33]	
>Burst freq	MP		Integer(1..16)	See [29] and [33]	

Condition	Explanation
channel	This IE is present only if the idle slot carries the PCCPCH

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CHANGE REQUEST

⌘   **25.433 CR 726**   ⌘ **rev** **2** ⌘   Current version: **4.5.0** ⌘

*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 ☐ Radio Access Network **X** Core Network ☐

Title: ⌘	IP_offset correction	
Source: ⌘	RAN WG3	
Work item code: ⌘	TEI4	***Date:*** ⌘ 15/07/2002
Category: ⌘ **F**		***Release:*** ⌘ Rel-4

Use <u>one</u> of the following categories:
   F *(correction)*
   A *(corresponds to a correction in an earlier release)*
   B *(addition of feature),*
   C *(functional modification of feature)*
   D *(editorial modification)*
Detailed explanations of the above categories can
be found in 3GPP <u>TR 21.900</u>.

Use <u>one</u> of the following releases:
   2   *(GSM Phase 2)*
   R96   *(Release 1996)*
   R97   *(Release 1997)*
   R98   *(Release 1998)*
   R99   *(Release 1999)*
   Rel-4   *(Release 4)*
   Rel-5   *(Release 5)*
   Rel-6   *(Release 6)*

Reason for change: ⌘

R2:
The type of the IP_Offset IE was changed to Integer.
R1:
Instead of tieing the IP_Offset with the Tcell, a new IP_Offset IE has been introduced.
R0:
TS 25.331 Section 10.3.7.98 currently suggests that the UTRAN should set the value of the "IP offset" IE to the same value as the variable Tcell. Based on this, in the IPDL FDD Parameters as defined in Section 9.2.2.18C of 25.433 the IP_offset was not included, as the value of Tcell could be used instead. However, it is not possible to directly use the value of Tcell for the IP_offset, as is illustrated below:

<u>Tcell:</u>

"T_cell represents the Timing delay used for defining the start of SCH, CPICH and the DL Scrambling Code(s) in a cell relative BFN" (25.402)

<u>IP offset:</u>
IP offset indicates an offset w.r.t the SFN timing (25.214):

$$IP\_Position(x) = (x \times IP\_Spacing \times 150) + (rand(x \text{ modulo } 64) \text{ modulo } (150 - IP\_Length)) + IP\_Offset;$$

<u>Example:</u>
E.g. assume we have 2 cells in a Node-B:

Cell-1 with a Tcell of 2 * 256chips;

Cell-2 with a Tcell of 6 * 256 chips

By adding an equal IP-offset (expressed in CPICH symbols) for the IPDL periods, Cell 1 will have an offset of 1024 ((2+2)*256) chips relative to the

		BFN, and cell 2 will have an offset of 3072 ((6+6)*256) chips. Thus no alignment will be achieved
Summary of change: ⌘		**R2:** The type of the IP_Offset IE was changed to Integer. **R1:** IP_Offset is introduced instead of tieing it to the Tcell. **R0:** It is proposed to update the sections relating to IPDL with a description to derive the IP offset from the T_cell (9-(Tcell/256)).
Consequences if not approved: ⌘		If this CR is not accepted, confusion will remain regarding the setting of the IP offset due to lack of description. Impact Analysis: Impact assessment towards the previous version of the specification (same release): This CR has no impact to the previous version of the specification as it performs a correction according to the previously intended behaviour Impact assessment towards the previous release of the specification: No impact as this functionality is added in Rel-4.

Clauses affected:	⌘	9.2.2.18C, 9.2.2.xx, 9.3.4		
	Y	**N**		
Other specs ⌘	X		Other core specifications ⌘	TS 25.331 CRs in tdocs R2-021987, R2-021988, R2-021989, NBAP CR727r2 Rel-5
affected:		X	Test specifications	
		X	O&M Specifications	
Other comments: ⌘				

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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.

9.2.2.18C   IPDL FDD Parameters

The *IPDL FDD Parameters* IE provides information about IPDL to be applied for FDD when activated.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description
IP SpacingFDD	M		ENUMERATED (5, 7, 10, 15, 20, 30, 40, 50,…)	See [10]
IP Length	M		ENUMERATED (5, 10)	See [10]
Seed	M		INTEGER (0..63)	See [10]
Burst Mode Parameters	O		9.2.1.5A	
IP Offset	M		INTEGER (0..9)	See [10]

9.3.4   Information Elements Definitions

```
-- ****************************************************************************
--
-- Information Element Definitions
--
-- ****************************************************************************

NBAP-IEs {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) nbap (2) version1 (1) nbap-IEs (2) }
```

-- Unaffected parts are omitted

```
-- =======================================
--  I
-- =======================================
```

-- Unaffected parts are omitted

```
InnerLoopDLPCStatus ::= ENUMERATED {
    active,
    inactive
}

IPDL-Indicator ::= ENUMERATED {
    active,
    inactive
}


IPDL-FDD-Parameters ::= SEQUENCE {
    iP-SpacingFDD               ENUMERATED{sp5,sp7,sp10,sp15,sp20,sp30,sp40,sp50,...},
    iP-Length                   ENUMERATED{len5, len10},
    seed                        INTEGER(0..63),
    burstModeParams             BurstModeParams     OPTIONAL,
    iP-Offset                   INTEGER(0..9),
    iE-Extensions          ProtocolExtensionContainer { { IPDLFDDParameter-ExtIEs} }   OPTIONAL,
    ...
}

IPDLFDDParameter-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

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CHANGE REQUEST

⌘   **25.433 CR 727**   ⌘**rev 2** ⌘   Current version: **5.1.0** ⌘

*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 ☐ Radio Access Network **X** Core Network ☐

Title: ⌘	IP_offset correction	
Source: ⌘	RAN WG3	
Work item code: ⌘	TEI4	***Date:*** ⌘ 15/07/2002
Category: ⌘	**A**	***Release:*** ⌘ Rel-5

Use <u>one</u> of the following categories:
  F *(correction)*
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Use <u>one</u> of the following releases:
  2   *(GSM Phase 2)*
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  R98   *(Release 1998)*
  R99   *(Release 1999)*
  Rel-4   *(Release 4)*
  Rel-5   *(Release 5)*
  Rel-6   *(Release 6)*

Reason for change: ⌘	R2: The type of the IP_Offset IE was changed to Integer. R1: Instead of tieing the IP_Offset with the Tcell, a new IP_Offset IE has been introduced. R0: TS 25.331 Section 10.3.7.98 currently suggests that the UTRAN should set the value of the "IP offset" IE to the same value as the variable Tcell. Based on this, in the IPDL FDD Parameters as defined in Section 9.2.2.18C of 25.433 the IP_offset was not included, as the value of Tcell could be used instead. However, it is not possible to directly use the value of Tcell for the IP_offset, as is illustrated below: <u>Tcell:</u> "T_cell represents the Timing delay used for defining the start of SCH, CPICH and the DL Scrambling Code(s) in a cell relative BFN" (25.402) <u>IP offset:</u> IP offset indicates an offset w.r.t the SFN timing (25.214): $IP\_Position(x) = (x \times IP\_Spacing \times 150) + (rand(x \bmod 64) \bmod (150 - IP\_Length)) + IP\_Offset;$ <u>Example:</u> E.g. assume we have 2 cells in a Node-B: Cell-1 with a Tcell of 2 * 256chips; Cell-2 with a Tcell of 6 * 256 chips By adding an equal IP-offset (expressed in CPICH symbols) for the IPDL periods, Cell 1 will have an offset of 1024 ((2+2)*256) chips relative to the

		BFN, and cell 2 will have an offset of 3072 ((6+6)*256) chips. Thus no alignment will be achieved
Summary of change: ⌘		R2: The type of the IP_Offset IE was changed to Integer. R1: IP_Offset is introduced instead of tieing it to the Tcell. R0: It is proposed to update the sections relating to IPDL with a description to derive the IP offset from the T_cell (9-(Tcell/256)).
Consequences if not approved: ⌘		If this CR is not accepted, confusion will remain regarding the setting of the IP offset due to lack of description. Impact Analysis: Impact assessment towards the previous version of the specification (same release): This CR has no impact to the previous version of the specification as it performs a correction according to the previously intended behaviour Impact assessment towards the previous release of the specification: No impact as this functionality is added in Rel-4.

Clauses affected:	⌘	9.2.2.18C, 9.2.2.xx, 9.3.4		
		Y	**N**	
Other specs	⌘	X		Other core specifications ⌘ TS 25.331 CRs in tdocs R2-021987, R2-021988, R2-021989, NBAP CR726r2 Rel-4
affected:			X	Test specifications
			X	O&M Specifications
Other comments:	⌘			

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Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

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.

9.2.2.18C   IPDL FDD Parameters

The *IPDL FDD Parameters* IE provides information about IPDL to be applied for FDD when activated.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description
IP SpacingFDD	M		ENUMERATED (5, 7, 10, 15, 20, 30, 40, 50,…)	See [10]
IP Length	M		ENUMERATED (5, 10)	See [10]
Seed	M		INTEGER (0..63)	See [10]
Burst Mode Parameters	O		9.2.1.5A	
IP Offset	M		INTEGER (0..9)	See [10]

9.3.4   Information Elements Definitions

```
--******************************************************************************
--
-- Information Element Definitions
--
--******************************************************************************

NBAP-IEs {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) nbap (2) version1 (1) nbap-IEs (2) }
```

-- Unaffected parts are omitted

```
-- ========================================
-- I
-- ========================================
```

-- Unaffected parts are omitted

```
InnerLoopDLPCStatus ::= ENUMERATED {
    active,
    inactive
}

IPDL-Indicator ::= ENUMERATED {
    active,
    inactive
}

IPDL-FDD-Parameters ::= SEQUENCE {
    iP-SpacingFDD              ENUMERATED{sp5,sp7,sp10,sp15,sp20,sp30,sp40,sp50,...},
    iP-Length                  ENUMERATED{len5, len10},
    seed                       INTEGER(0..63),
    burstModeParams            BurstModeParams    OPTIONAL,
    iP-Offset                  INTEGER(0..9),
    iE-Extensions       ProtocolExtensionContainer { { IPDLFDDParameter-ExtIEs} }   OPTIONAL,
    ...
}

IPDLFDDParameter-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
```