

TSG-RAN Meeting #14
Kyoto, Japan, 11 - 14 December 2001

RP-010757

Title: Agreed CRs (Release '99, Rel-4 category A and Rel-5 category A) to TS 25.305

Source: TSG-RAN WG2

Agenda item: 8.2.3

Doc-1st-	Status-	Spec	CR	Rev	Phase	Subject	Cat	Version	Versio
R2-012557	agreed	25.305	063		R99	Correction of broadcast of assistance data	F	3.6.0	3.7.0
R2-012642	agreed	25.305	064		Rel-4	Correction of broadcast of assistance data	A	4.1.0	4.2.0
R2-012643	agreed	25.305	065		Rel-5	Correction of broadcast of assistance data	A	5.2.0	5.3.0
R2-012743	agreed	25.305	070	1	R99	Migration of Descriptive Text from TS 25.331	F	3.6.0	3.7.0
R2-012744	agreed	25.305	071		Rel-4	Migration of Descriptive Text from TS 25.331	A	4.1.0	4.2.0
R2-012745	agreed	25.305	072		Rel-5	Migration of Descriptive Text from TS 25.331	A	5.2.0	5.3.0

CHANGE REQUEST

⌘ **25.305 CR 063** ⌘ rev **-** ⌘ Current version: **3.6.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Correction of Broadcast of assistance data		
Source:	⌘ TSG-RAN WG2		
Work item code:	⌘ TEI	Date:	⌘ 20.11.2001
Category:	⌘ F	Release:	⌘ R99
	<i>Use one of the following categories:</i> 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.		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)

Reason for change:	⌘ It was decided that broadcast of assistance is not only available for UE based, but also for UE assisted positioning.
Summary of change:	⌘ The sentence restricting the usage of assistance data broadcast to UE based positioning is changed. Isolated Impact: None.
Consequences if not approved:	⌘ Misalignment between the stage2 and stage3 documents.

Clauses affected:	⌘ 6.6.4.1.3		
Other specs affected:	<input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘	25.305 v4.1.0, CR 064 25.305 v5.2.0, CR 065
Other comments:	⌘		

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.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.

6.6.4.1.3 Broadcast of Assistance Data

~~In the UE based OTDOA or Network assisted GPS methods, where the measurements and/or position calculation is done in the UE, For OTDOA and GPS, UTRAN may broadcast assistance data to the UE.~~

The assistance data to be broadcast for ~~UE based~~ OTDOA contains the reference and neighbour cells to measure and for each neighbour cell the approximate cell timing and possibly IPDL information. The approximate cell timing may be used to simplify OTDOA measurements. Additionally, RTD values (e.g. in case of a non-synchronised network) and Node B co-ordinates for UE based OTDOA may be included for each neighbour cell. ~~In addition, the broadcast data may contain other information to simplify the OTDOA measurements.~~ The length of the message depends on how many neighbours are included in the assistance data. Part of the broadcast message (e.g. the serving and neighbour Node B geographic co-ordinates) may be ciphered.

The assistance data to be broadcast for assisted GPS may contain a subset of or all of the following information: reference time, reference position, DGPS corrections, ephemeris and clock corrections, and almanac and other data. ~~Part of~~ The broadcast message may be ciphered.

The broadcast channel that is used for the OTDOA and GPS assistance data makes use of the common UTRAN broadcast service specified in [18].

CHANGE REQUEST

⌘ **25.305 CR 064** ⌘ rev **-** ⌘ Current version: **4.1.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Correction on Broadcast of assistance data		
Source:	⌘ TSG-RAN WG2		
Work item code:	⌘ TEI	Date:	⌘ 28.11.2001
Category:	⌘ A	Release:	⌘ REL-4
	<i>Use one of the following categories:</i> 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.		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)

Reason for change:	⌘ It was decided that broadcast of assistance is not only available for UE based, but also for UE assisted positioning.
Summary of change:	⌘ The sentence restricting the usage of assistance data broadcast to UE based positioning is changed. Isolated Impact: None.
Consequences if not approved:	⌘ Misalignment between the stage2 and stage3 documents.

Clauses affected:	⌘ 6.6.4.1.3		
Other specs affected:	<input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘	25.305 v3.6.0, CR 063 25.305 v5.2.0, CR 065
Other comments:	⌘		

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- 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.

6.6.4.1.3 Broadcast of Assistance Data

~~In the UE based OTDOA or Network assisted GPS methods, where the measurements and/or position calculation is done in the UE, For OTDOA and GPS, UTRAN may broadcast assistance data to the UE.~~

The assistance data to be broadcast for ~~UE based~~ OTDOA contains the reference and neighbour cells to measure and for each neighbour cell the approximate cell timing and possibly IPDL information. The approximate cell timing may be used to simplify OTDOA measurements. Additionally, RTD values (e.g. in case of a non-synchronised network) and Node B co-ordinates for UE based OTDOA may be included for each neighbour cell. ~~In addition, the broadcast data may contain other information to simplify the OTDOA measurements.~~ The length of the message depends on how many neighbours are included in the assistance data. Part of the broadcast message (e.g. the serving and neighbour Node B geographic co-ordinates) may be ciphered.

The assistance data to be broadcast for assisted GPS may contain a subset of or all of the following information: reference time, reference position, DGPS corrections, ephemeris and clock corrections, and almanac and other data. ~~Part of~~ The broadcast message may be ciphered.

The broadcast channel that is used for the OTDOA and GPS assistance data makes use of the common UTRAN broadcast service specified in [18].

CHANGE REQUEST

⌘ **25.305 CR 065** ⌘ rev **-** ⌘ Current version: **5.2.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Correction on Broadcast of assistance data		
Source:	⌘ TSG-RAN WG2		
Work item code:	⌘ TEI	Date:	⌘ 28.11.2001
Category:	⌘ A	Release:	⌘ REL-5
	<i>Use one of the following categories:</i> 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.		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)

Reason for change:	⌘ It was decided that broadcast of assistance is not only available for UE based, but also for UE assisted positioning.
Summary of change:	⌘ The sentence restricting the usage of assistance data broadcast to UE based positioning is changed. Isolated Impact: None.
Consequences if not approved:	⌘ Misalignment between the stage2 and stage3 documents.

Clauses affected:	⌘ 6.6.4.1.3		
Other specs affected:	<input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘	25.305 v3.6.0, CR 063 25.305 v4.1.0, CR 064
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.

6.6.4.1.3 Broadcast of Assistance Data

~~In the UE based OTDOA or Network assisted GPS methods, where the measurements and/or position calculation is done in the UE, For OTDOA and GPS, UTRAN may broadcast assistance data to the UE.~~

The assistance data to be broadcast for ~~UE based~~ OTDOA contains the reference and neighbour cells to measure and for each neighbour cell the approximate cell timing and possibly IPDL information. The approximate cell timing may be used to simplify OTDOA measurements. Additionally, RTD values (e.g. in case of a non-synchronised network) and Node B co-ordinates for UE based OTDOA may be included for each neighbour cell. ~~In addition, the broadcast data may contain other information to simplify the OTDOA measurements.~~ The length of the message depends on how many neighbours are included in the assistance data. Part of the broadcast message (e.g. the serving and neighbour Node B geographic co-ordinates) may be ciphered.

The assistance data to be broadcast for assisted GPS may contain a subset of or all of the following information: reference time, reference position, DGPS corrections, ephemeris and clock corrections, and almanac and other data. ~~Part of~~ The broadcast message may be ciphered.

The broadcast channel that is used for the OTDOA and GPS assistance data makes use of the common UTRAN broadcast service specified in [18].

CHANGE REQUEST

⌘ **25.305 CR 070** ⌘ ev **r1** ⌘ Current version: **3.6.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Migration of Descriptive Text from TS 25.331		
Source:	⌘ TSG-RAN WG2		
Work item code:	⌘ TEI	Date:	⌘ 30 Nov 2001
Category:	⌘ F	Release:	⌘ R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	R96 (Release 1996)	2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R97 (Release 1997)	
	B (addition of feature),	R98 (Release 1998)	
	C (functional modification of feature)	R99 (Release 1999)	
	D (editorial modification)	REL-4 (Release 4)	
	Detailed explanations of the above categories can be found in 3GPP TR 21.900.	REL-5 (Release 5)	

Reason for change:	⌘ Following discussions about RRC associated with the UP Drafting Group conducted between RAN2 meetings #24 and #25, some descriptive text needs to be added to TS 25.305.
Summary of change:	⌘ - Added description of how IE "SV Global Health" is constructed from page 25 of subframes 4 and 5 of the GPS Navigation Message.
Consequences if not approved:	⌘ As already experienced, there will be no common understanding of how to construct the IE "SV Global Health".

Clauses affected:	⌘ 10.5.1.1		
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications	⌘ 25.305 v4.1.0, CR 071	
	<input type="checkbox"/> Test specifications	25.305 v5.2.0, CR 072	
	<input type="checkbox"/> O&M Specifications		
Other comments:	⌘		

How to create CRs using this form:

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- 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.

< NEXT MODIFIED SECTION >**10.5.1.1 Almanac data**

The almanac parameters specify the coarse, long-term model of the satellite positions and clocks. These parameters are a subset of the ephemeris and clock correction parameters in the Navigation Model, although with reduced resolution and accuracy. The almanac model is useful for receiver tasks that require coarse accuracy, such as determining satellite visibility. The model is valid for up to one year, typically. Since it is a long-term model, the field should be provided for all satellites in the GPS constellation.

Optionally, "SV Global Health" information may accompany this almanac information. This additional information is composed of the sequence of all non-parity data bits contained in words 3-10 of page 25 of subframe 4 of the GPS navigation message followed by the sequence of all non-parity bits contained in words 3-10 of page 25 of subframe 5 of the GPS navigation message. The following GPS navigation message fields are excluded when constructing these sequences: "Data ID", "SV (Page) ID", and "t".

CHANGE REQUEST

⌘ **25.305 CR 071** ⌘ ev **-** ⌘ Current version: **4.1.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Migration of Descriptive Text from TS 25.331		
Source:	⌘ TSG-RAN WG2		
Work item code:	⌘ TEI	Date:	⌘ 30 Nov 2001
Category:	⌘ A	Release:	⌘ REL-4
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	R96 (Release 1996)	2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R97 (Release 1997)	
	B (addition of feature),	R98 (Release 1998)	
	C (functional modification of feature)	R99 (Release 1999)	
	D (editorial modification)	REL-4 (Release 4)	
	Detailed explanations of the above categories can be found in 3GPP TR 21.900.		REL-5 (Release 5)

Reason for change:	⌘ Following discussions about RRC associated with the UP Drafting Group conducted between RAN2 meetings #24 and #25, some descriptive text needs to be added to TS 25.305.
Summary of change:	⌘ - Added description of how IE "SV Global Health" is constructed from page 25 of subframes 4 and 5 of the GPS Navigation Message.
Consequences if not approved:	⌘ As already experienced, there will be no common understanding of how to construct the IE "SV Global Health".

Clauses affected:	⌘ 10.5.1.1		
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications	⌘ 25.305 v3.6.0, CR 070r1	
	<input type="checkbox"/> Test specifications	25.305 v5.2.0, CR 072	
	<input type="checkbox"/> 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.

< NEXT MODIFIED SECTION >**10.5.1.1 Almanac data**

The almanac parameters specify the coarse, long-term model of the satellite positions and clocks. These parameters are a subset of the ephemeris and clock correction parameters in the Navigation Model, although with reduced resolution and accuracy. The almanac model is useful for receiver tasks that require coarse accuracy, such as determining satellite visibility. The model is valid for up to one year, typically. Since it is a long-term model, the field should be provided for all satellites in the GPS constellation.

Optionally, "SV Global Health" information may accompany this almanac information. This additional information is composed of the sequence of all non-parity data bits contained in words 3-10 of page 25 of subframe 4 of the GPS navigation message followed by the sequence of all non-parity bits contained in words 3-10 of page 25 of subframe 5 of the GPS navigation message. The following GPS navigation message fields are excluded when constructing these sequences: "Data ID", "SV (Page) ID", and "t".

CHANGE REQUEST

⌘ **25.305 CR 072** ⌘ ev **-** ⌘ Current version: **5.2.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Migration of Descriptive Text from TS 25.331		
Source:	⌘ TSG-RAN WG2		
Work item code:	⌘ TEI	Date:	⌘ 30 Nov 2001
Category:	⌘ A	Release:	⌘ REL-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	R96 (Release 1996)	2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R97 (Release 1997)	
	B (addition of feature),	R98 (Release 1998)	
	C (functional modification of feature)	R99 (Release 1999)	
	D (editorial modification)	REL-4 (Release 4)	
	Detailed explanations of the above categories can be found in 3GPP TR 21.900.	REL-5 (Release 5)	

Reason for change:	⌘ Following discussions about RRC associated with the UP Drafting Group conducted between RAN2 meetings #24 and #25, some descriptive text needs to be added to TS 25.305.
Summary of change:	⌘ - Added description of how IE "SV Global Health" is constructed from page 25 of subframes 4 and 5 of the GPS Navigation Message.
Consequences if not approved:	⌘ As already experienced, there will be no common understanding of how to construct the IE "SV Global Health".

Clauses affected:	⌘ 10.5.1.1		
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications	⌘ 25.305 v3.6.0, CR 070r1	
	<input type="checkbox"/> Test specifications	25.305 v4.1.0, CR 071	
	<input type="checkbox"/> 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.

< NEXT MODIFIED SECTION >**10.5.1.1 Almanac data**

The almanac parameters specify the coarse, long-term model of the satellite positions and clocks. These parameters are a subset of the ephemeris and clock correction parameters in the Navigation Model, although with reduced resolution and accuracy. The almanac model is useful for receiver tasks that require coarse accuracy, such as determining satellite visibility. The model is valid for up to one year, typically. Since it is a long-term model, the field should be provided for all satellites in the GPS constellation.

Optionally, "SV Global Health" information may accompany this almanac information. This additional information is composed of the sequence of all non-parity data bits contained in words 3-10 of page 25 of subframe 4 of the GPS navigation message followed by the sequence of all non-parity bits contained in words 3-10 of page 25 of subframe 5 of the GPS navigation message. The following GPS navigation message fields are excluded when constructing these sequences: "Data ID", "SV (Page) ID", and "t".