# 3GPP TSG CN Plenary Meeting #24 2<sup>nd</sup> – 4<sup>th</sup> June 2004 Seoul, KOREA.

Source: TSG CN WG4

Title: Corrections on IMS Sh-interface

Agenda item: 8.1

**Document for:** APPROVAL

| Spec   | CR  | Rev | Doc-2nd-Level<br>N4-040 | Phase | Subject  | Cat | Ver_C |
|--------|-----|-----|-------------------------|-------|--|-----|-------|
| 29.329 | 036 |     | 435                     | Rel-5 | Correction to description of Data Reference AVP value 10 | F   | 5.5.0 |
| 29.329 | 037 |     | 436                     | Rel-6 | Correction to description of Data Reference AVP value 10 | Α   | 6.0.0 |
| 29.329 | 034 | 1   | 525                     | Rel-5 | Correction of reference for definition of MSISDN         | F   | 5.5.0 |
| 29.329 | 035 | 1   | 526                     | Rel-6 | Correction of reference for definition of MSISDN         | Α   | 6.0.0 |

| CHANGE REQUEST                |                |   |   |             |           |        |       |              |  |          | CR-Form-v7 |  |  |
|-------------------------------|----------------|---|---|-------------|-----------|--------|-------|--------------|--|----------|------------|--|--|
| *                             | 29             | .329  | CR 03   | 6           | жrev      | -      | Ж     | Current ver  | sion:  | 5.5.0    | æ          |  |  |
| For <u>HELP</u> on u          | ısing          | this for  | rm, see bot   | tom of this | s page or | look   | at th | e pop-up tex | t over   | the ℋ sy | mbols.     |  |  |
| Proposed change               | affec          | <i>ts:</i> \  | JICC apps   | <b></b>     | ME        | Rad    | dio A | ccess Netwo  | ork  | Core N   | etwork X   |  |  |
| Title: #                      | Co             | rrectio   | n to descrip  | otion of Da | ata Refer | ence i | AVP   | value 10     |  |          |            |  |  |
| Source: #                     | CN             | 4   |   |             |           |        |       |              |  |          |            |  |  |
| Work item code: ₩             | IMS            | S-CCR   |   |             |           |        |       | Date: 8      | € 02   | /04/2004 |            |  |  |
| Reason for change             | Deta<br>be fo  | 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)  P (editorial modification)  F (addition of the above categories can ound in 3GPP TR 21.900). |   |             |           |        |       |              | R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)  Reference AVP is described as |          |            |  |  |
| Summary of chang              | ge: ૠ          | Misle   | eading text,  | as descr    | ibed abov | ve, in | 29.3  | 29 is remove | ed.  |          |            |  |  |
| Consequences if not approved: | *              | Conf  | Implementations based on 29.328 will differ from those based on 29.329.  Confusion for implementors reading both specs, leading to potential for interoperability problems. |             |           |        |       |              |  |          |            |  |  |
| Clauses affected:             | Ж              | 6.3.4   | ļ   |             |           |        |       |              |  |          |            |  |  |
| Other specs affected:         | Ж              | Y N<br>X<br>X   | Other cord<br>Test spect<br>O&M Spe   | ifications  |           | æ      |       |              |  |          |            |  |  |
| Other comments:               | $\mathfrak{H}$ | The inclusion of the text is also editorially inconsistent with the description of the other values in 6.3.4.   |   |             |           |        |       |              |  |          |            |  |  |

How to create CRs using this form:

- 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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.

## 6.3.4 Data-Reference AVP

The Data-Reference AVP (AVP code 103) is of type Enumerated, and indicates the type of the requested user data in the operation UDR and SNR. Its exact values and meaning is defined in 3GPP TS 29.328 [1]. The following values are defined (more details are given in 3GPP TS 29.328 [1]):

```
RepositoryData (0)

IMSPublicIdentity (10)

This value is used to request the read or notification of changes in the IMS public identities fields

IMSUserState (11)

S-CSCFName (12)

InitialFilterCriteria (13)

This value is used to request initial filter criteria relevant to the requesting AS

LocationInformation (14)

UserState (15)

ChargingInformation (16)

MSISDN (17)
```

# 3GPP TSG CN WG4 Meeting #23 Zagreg, CROATIA, 10<sup>th</sup> – 14<sup>th</sup> April 2004

| CHANGE REQUEST                |                |  |  |   |                         |        |        |  |   |             |          |
|-------------------------------|----------------|--|--|---|-------------------------|--------|--------|--|---|-------------|----------|
| *                             | 29.            | .329   | CR 03  | 84  | <b>≋rev</b>             | 1      | Ж      | Current vers   | sion:   | 5.5.0       | ¥        |
| For <u>HELP</u> on u          | ısing t        | his for  | m, see bo  | ttom of thi                               | s page or               | look   | at the | e pop-up text  | t over  | the         | nbols.   |
| Proposed change               | affect         | <i>ts:</i>   | JICC apps  | s# <mark></mark>                          | ME                      | Rad    | dio Ad | ccess Netwo  | rk  | Core Ne     | etwork X |
| Title:                        | Cor            | rection  | of refere  | nce for de                                | finition of             | MSIS   | DN     |  |   |             |          |
| Source: #                     | CN             | 4  |  |   |                         |        |        |  |   |             |          |
| Work item code: ₩             | IMS            | S-CCR  |  |   |                         |        |        | Date: ₩  | 02/   | 04/2004     |          |
| Category: अ                   | Detai          | F (corr<br>A (corr<br>B (add<br>C (fund<br>D (edit<br>iled exp | rection)<br>responds to<br>lition of feat<br>ctional modifi<br>forial modifi | dification of ication) of the above       | on in an ea<br>feature) |        | elease | Release: #<br>Use <u>one</u> of<br>2<br>e) R96<br>R97<br>R98<br>R99<br>Rel-4<br>Rel-5<br>Rel-6 | the fo<br>(GSN<br>(Rele<br>(Rele<br>(Rele<br>(Rele<br>(Rele | _           | eases:   |
| Reason for change             | e: Ж           | to 23<br>MSIS  | .003. How<br>SDN.  |   | 003 conta               |        |        | for the encou<br>ual information   | ding o  | f MSISDN    |          |
| Summary of chang              | ge: ૠ          | Refe   |  | 3.003 is re                               |                         | nd rep | olace  | d with explic  | it defi   | nition of M | ISISDN   |
| Consequences if not approved: | Ж              | There  | e is no det  | fined way                                 | to encode               | MSI    | SDN    | on the Sh in   | terfac  | e           |          |
| Clauses affected:             | ¥              | 2, 6.3   | 3.2  |   |                         |        |        |  |   |             |          |
| Other specs affected:         | <b></b>        | Y N X X  | Other co   | re specific<br>cifications<br>ecification |                         | ¥      |        |  |   |             |          |
| Other comments:               | $\mathfrak{H}$ |  |  |   |                         |        |        |  |   |             |          |

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# 2 References

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- [1] 3GPP TS 29.328 "IP Multimedia (IM) Subsystem Sh interface; signalling flows and message contents (Release 5) " 3GPP TS 33.210 "3G Security; Network Domain Security; IP Network Layer Security (Release 5) [2] IETF RFC 2960 "Stream Control Transmission Protocol" [3] IETF RFC 3588 "Diameter Base Protocol" [4] [5] IETF RFC 2234 "Augmented BNF for syntax specifications" [6] 3GPP TS 29.229 "Cx and Dx Interfaces based on the Diameter protocol; protocol details (Release 5)" [7] IETF RFC 3589 "Diameter Command Codes for Third Generation Partnership Project (3GPP) Release 5" ITU-T Recommendation E.164: "The international public telecommunication numbering plan" [x]

\*\*\*\*\* Next Changed Section \*\*\*\*\*

## 6.3.2 MSISDN AVP

The MSISDN AVP (AVP Code 101) is of type OctetString. This AVP contains an MSISDN, in international number format as described in ITU-T Rec E.164 [x], encoded as a TBCD-string, i.e. digits from 0 through 9 are encoded 0000 to 1001; 1111 is used as a filler when there is an odd number of digits; bits 8 to 5 of octet n encode digit 2n; bits 4 to 1 of octet n encode digit 2(n-1)+1. with the format described in 3GPP TS 23.003.

| CHANGE REQUEST                |                |   |  |                       |  |        |        |              |        |          | CR-Form-v7 |
|-------------------------------|----------------|---|--|-----------------------|--|--------|--------|--------------|--------|----------|------------|
| *                             | 29             | .329  | CR 03  | 7                     | жrev   | -      | Ж      | Current ve   | rsion: | 6.0.0    | ¥          |
| For <u>HELP</u> on u          | ısing          | this for  | m, see bot   | tom of this           | s page or  | look   | at the | e pop-up tex | t over | the # sy | mbols.     |
| Proposed change               | affec          | <i>ts:</i> l  | JICC apps  | <b>#</b>              | ME   | Rad    | dio A  | ccess Netwo  | ork    | Core N   | etwork X   |
| Title: #                      | Co             | rrectio   | n to descrip   | tion of Da            | ata Refer  | ence i | AVP    | value 10     |        |          |            |
| Source: #                     | CN             | 4   |  |                       |  |        |        |              |        |          |            |
| Work item code: ₩             | IMS            | S-CCR   |  |                       |  |        |        | Date:        | € 02   | /04/2004 |            |
| Reason for change             | Deta<br>be fo  | F (corn A (corn B (add C (fun D (edii illed exp bund in In 29 'This publi How notifi                          | value is us<br>c identities  | Use one of 2  Page 19 | R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)  ta Reference AVP is described as cation of changes in the IMS |        |        |              |        |          |            |
| Summary of chang              | ge: ૠ          | Misle   | eading text,   | as descri             | ibed abo   | ve, in | 29.3   | 29 is remov  | ed.    |          |            |
| Consequences if not approved: | ж              | Conf  | Implementations based on 29.328 will differ from those based on 29.329. Confusion for implementors reading both specs, leading to potential for interoperability problems. |                       |  |        |        |              |        |          |            |
| Clauses affected:             | Ж              | 6.3.4   | ļ  |                       |  |        |        |              |        |          |            |
| Other specs affected:         | ж              | Y N X X   | Other core<br>Test spec<br>O&M Spe   | ifications            |  | Ж      |        |              |        |          |            |
| Other comments:               | $\mathfrak{H}$ | The inclusion of the text is also editorially inconsistent with the description of the other values in 6.3.4. |  |                       |  |        |        |              |        |          |            |

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# 3GPP TSG CN WG4 Meeting #23 Zagreg, CROATIA, 10<sup>th</sup> – 14<sup>th</sup> April 2004

| CHANGE REQUEST                |  |  |  |                |        |              |  |  |   |          |  |
|-------------------------------|--|--|--|----------------|--------|--------------|--|--|---|----------|--|
| 器                             | 29.32                                    | 9 CR   | 035  | <b>≋ rev</b>   | 1      | $\mathbb{H}$ | Current vers                                 | ion:   | 6.0.0   | *        |  |
| For <u>HELP</u> on u          | sing this                                | form, see  | e bottom of t                                  | his page or    | look a | t the        | pop-up text                                  | over t   | the % syr   | nbols.   |  |
| Proposed change a             | affects:                                 | UICC a   | apps#  | ME             | Radi   | o Ac         | cess Networ                                  | k  | Core Ne   | etwork X |  |
| Title: 第                      | Correc                                   | tion of re   | ference for c                                  | lefinition of  | MSISE  | ON           |  |  |   |          |  |
| Source: #                     | CN4                                      |  |  |                |        |              |  |  |   |          |  |
| Work item code: ₩             | IMS-C                                    | CR   |  |                |        |              | Date: ♯                                      | 02/0   | 04/2004   |          |  |
| Category: 米                   | F (0<br>A (0<br>B (0<br>C (0<br>Detailed | correction,<br>correspon<br>addition of<br>functional<br>editorial m<br>explanatio | ds to a correc                                 | tion in an ead |        |              | ) R96<br>R97<br>R98<br>R99<br>Rel-4<br>Rel-5 | the foll<br>(GSM<br>(Relea<br>(Relea<br>(Relea | lowing rele<br>Phase 2)<br>ase 1996)<br>ase 1997)<br>ase 1998)<br>ase 1999)<br>ase 4) | eases:   |  |
| Reason for change             | to<br>M                                  | 23.003.<br>SISDN.  |  | 3.003 contai   |        |              | or the encod<br>al information               | ing of   | MSISDN  |          |  |
| Summary of chang              |  | eference<br>ncoding r  |  | removed ar     | nd rep | laced        | d with explici                               | t defin  | nition of M   | ISISDN   |  |
| Consequences if not approved: | ₩ TI                                     | nere is no   | defined way                                    | y to encode    | MSIS   | DN o         | on the Sh into                               | erface   | )   |          |  |
| Clauses affected:             | 第 2,                                     | 6.3.2  |  |                |        |              |  |  |   |          |  |
| Other specs affected:         | #<br>#                                   | X Test   | r core specif<br>specification<br>Specificatio | S              | #      |              |  |  |   |          |  |
| Other comments:               | H  |  |  |                |        |              |  |  |   |          |  |

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