# TSGS#27(05) 0056

Technical Specification Group Services and System Aspects Meeting #27, Tokyo, Japan, 14-17 March 2005

Source: SA1

Title: CRs to 22.078 on Removal of Announcement Suppression in

CAMEL control of IMS (Rel-5, Rel-6, Rel-7)

**Document for:** Approval

Agenda Item: 7.1.3

| Meeti | SA Doc    | TS No. | CR No | Rev | Rel   | Cat | Subject   | Vers.  | Vers   | SA1 Doc   |
|-------|-----------|--------|-------|-----|-------|-----|---|--------|--------|-----------|
| ng    |           |        |       |     |       |     |   | Curre  | New    |           |
|       |           |        |       |     |       |     |   | nt     |        |           |
| SP-27 | SP-050056 | 22.078 | 179   | -   | Rel-5 |     | Removal of "Announcement Suppression" in CAMEL control of IMS | 5.14.0 | 5.15.0 | S1-050163 |
| SP-27 | SP-050056 | 22.078 | 180   | -   | Rel-6 |     | Removal of "Announcement Suppression" in CAMEL control of IMS | 6.6.0  | 6.7.0  | S1-050224 |
| SP-27 | SP-050056 | 22.078 | 181   | -   | Rel-7 |     | Removal of "Announcement Suppression" in CAMEL control of IMS | 7.2.0  | 7.3.0  | S1-050225 |

#### **TSG-SA WG1 #27** Cape Town, South Africa, 17th to 21st January 2005

|   | CHANGE        | REQ         | UE | ST |                            | rm-v7.1 |
|---|---------------|-------------|----|----|----------------------------|---------|
| H | 22.078 CR 179 | <b>≋rev</b> | -  | ¥  | Current version: 5.14.0 ** |         |

S1-050163

Agenda Item: 8

For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the \mathbb{H} symbols.

| Proposed chang  | je a           | nffects: UICC apps第 ME Radio  | o Access Networ                                | k Core Network X  |
|-----------------|----------------|---|--|---|
|                 |                |   |  |   |
| Title:          | $\mathfrak{H}$ | Removal of "Announcement Suppression" in C  | CAMEL control of                               | IMS   |
| Source:         | $\mathbb{H}$   | SA1 (Ericsson)  |  |   |
| Work item code: | <b>:</b> #     | CAMEL4  | Date: ₩  | 18/01/2005  |
| Category:       | $\mathfrak{H}$ | F Use one of the following categories: F (correction) A (corresponds to a correction in an earlier release (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. | Ph2<br>ease) R96<br>R97<br>R98<br>R99<br>Rel-4 | Rel-5 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6) (Release 7) |

| Reason for change: # | The suppression of tones and announcements at unsuccessful IMS call establishment, is not supported in stage 2 (23.278) and stage 3 (29.278) of CAMEL control of IMS. |
|----------------------|---|
|                      | 3GPP TS 22.078 v5.14.0 specifies in section B.3.4 (Instruction by the CSE):   |
|                      | < start of copy >   |
|                      | the CSE shall be able to instruct the IM CN subsystem with the following;   |
|                      | To suppress tones and announcements which may be played to the calling party, if an unsuccessful IPMM session establishment occurs                                    |
|                      | < end of copy >   |
|                      | However, the CSE doesn't have that functionality. Refer to 3GPP TS 29.278 v5.3.0, section 6.1.1 (Operations and arguments). For Connect, the following is specified:  |
|                      | < start of copy >   |
|                      | The following parameters in ConnectArg are not use for IMS: carrier alertingPattern genericNumbers serviceInteractionIndicatorsTwo chargeNumber                       |

cug-Interlock cug-OutgoingAccess suppressionOfAnnouncement oCSIApplicable naOliInfo < end of copy > The same applies to the Continue With Argument CAP Operation (also from the 6.1.1 section in 3GPP TS 29.278 v5.3.0): < start of copy > -- The following parameters in ConnectArg are not use for IMS: carrier alertingPattern genericNumbers serviceInteractionIndicatorsTwo chargeNumber cug-Interlock cug-OutgoingAccess naOliInfo < end of copy > Also, 3GPP TS 23.278 v5.6.0, sections 4.7.2.5 (Connect) and 4.7.2.8 (Continue With Argument) do not specify that Information Element. Hence, the suppression of tones and announcement is not supported in CAMEL control of IMS. Summary of change: ₩ Remove the requirement to suppress tones and announcements for CAMEL control of IMS, from TS 22.078. Consequences if ★ Stage 1, 2 and 3 are not in line. not approved:

| Clauses affected:     | ₩ B.3.4   |
|-----------------------|---|
| Other specs affected: | Y N  X Other core specifications   Test specifications   O&M Specifications |
| Other comments:       | <b>x</b>  |

#### How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked \( \mathcal{H} \) 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 <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.

## \*\*\* Start Modification \*\*\*

## B.3 Mobile Terminated Events

#### B.3.1 Initial contact with the CSE

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# B.3.4 Instruction by the CSE

After initial contact with the CSE, or after the reporting of subsequent events to the CSE, the CSE shall be able to instruct the IM CN subsystem with the following:

- To bar the IPMM session;
- To arm one or more subsequent events;
- To perform the charging activity;
- To perform the in-band user interaction;
- To continue the IPMM session;
- To continue the IPMM session with modified information;
- To release the IPMM session;

-To suppress tones and announcements which may be played to the calling party, if an unsuccessful IPMM session establishment occurs

The combination of the event reported to the CSE and the instruction by the CSE is provided in the table C-1. Table C-1 Actions performed by the CSE at specific service event for MO and MT IP multimedia session can be found in Annex C.

## \*\*\* End Modification \*\*\*

| S      | 1-050224  |
|--------|-----------|
| Agenda | Item: 8.1 |

|                         |               |               |                             |               |         |       |              |                            |          | (                                  | CR-Form-v7.1 |
|-------------------------|---------------|---------------|-----------------------------|---------------|---------|-------|--------------|----------------------------|----------|------------------------------------|--------------|
|                         |               | C             | HANC                        | GE RE         | QU      | E     | ST           |                            |          |                                    |              |
| ж <b>2</b>              | 2.078         | CR (          | 0180                        | <b>≋re</b>    | v       | -     | $\mathbb{H}$ | Current ve                 | ersion:  | 6.6.0                              | ¥            |
| F. UELD                 | . (1.1. f.    |               | l                           | • (1. )       |         |       |              |                            |          |                                    |              |
| For <u>HELP</u> on usin | g this for    | m, see        | bottom of                   | this page     | or loc  | ок ғ  | at th        | e pop-up te                | ext ove  | er the                             | mbols.       |
|                         |               |               |                             |               |         |       |              |                            |          |                                    |              |
| Proposed change afform  | ects:         | JICC ap       | ps#                         | ME            | F       | Rad   | io A         | ccess Netv                 | work     | Core Ne                            | etwork X     |
|                         |               |               |                             |               |         |       |              |                            |          |                                    |              |
| Title: 第一F              | Removal       | of "Ann       | ouncemer                    | nt Suppre     | sion"   | ' in  | CAN          | MEL contro                 | of IM    | S                                  |              |
| Source: # 5             | SA1 (Eric     | sson)         |                             |               |         |       |              |                            |          |                                    |              |
| Work item code: ₩ (     | ·             | ,             |                             |               |         |       |              | Date:                      | 90 10    | 3/01/2005                          |              |
|                         |               |               |                             |               |         |       |              |                            |          |                                    |              |
| Category: 第 は           |               | the follo     | ving catego                 | ories:        |         |       |              | Release:<br>Use <u>one</u> |          | <mark>el-6</mark><br>following rel | eases:       |
|                         | <b>F</b> (cor | rection)      |                             | ection in an  | earlie  | r rei | lease        | Ph2<br>e) R96              | •        | M Phase 2)<br>lease 1996)          |              |
|                         | <b>B</b> (add | dition of t   | eature),                    |               |         | 1 101 | Case         | R97                        | (Re      | lease 1997)                        |              |
|                         |               |               | nodification<br>dification) | of feature)   |         |       |              | R98<br>R99                 |          | lease 1998)<br>lease 1999)         |              |
|                         |               | olanation     | s of the ab                 | ove catego    | ries c  | an    |              | Rel-4<br>Rel-5             |          | lease 4)<br>lease 5)               |              |
| De                      | , iouila ili  | 3011 <u>1</u> | <u>X 21.900</u> .           |               |         |       |              | Rel-6                      | (Re      | lease 6)                           |              |
|                         |               |               |                             |               |         |       |              | Rel-7                      | (Re      | lease 7)                           |              |
| December shares         | 94 OCD        | D TO O        | 070                         | ) O op opific |         |       | ·:           | D 2 4 (loot                | at:a.a   | butha CC                           | ۲۱.          |
| Reason for change:      |               |               |                             | s.o specilie  | 8 III 8 | seci  | lion         | D.3.4 (IIISI               | ruction  | by the CS                          | ⊏).          |
|                         | < sta         | rt of copy    | / >                         |               |         |       |              |                            |          |                                    |              |
|                         | the C         | SE shall      | be able to                  | instruct the  | e IM C  | N s   | ubsy         | stem with tl               | he follo | wing;                              |              |
|                         | <br>To su     | innress f     | ones and a                  | announcem     | ents v  | whic  | h m          | av he plaved               | d to the | calling party                      | / if an      |
|                         |               |               |                             | sion establi  |         |       |              |                            |          | g part                             | , ,          |
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|                         |               |               |                             |               |         |       |              |                            |          | ul IMS call                        |              |
|                         |               |               |                             |               |         |       |              |                            |          | s CR remo<br>aptured in s          |              |
|                         |               |               |                             | e 3 (TS 29    |         | •     | 00.0         | a tracit wi                | 50 00    | .pturou iir c                      | nago =       |
| Summary of change:      |               |               |                             |               | press   | tor   | nes          | and annou                  | nceme    | ents for CA                        | MEL          |
|                         | conti         | rol of IM     | S, from T                   | S 22.078.     |         |       |              |                            |          |                                    |              |
| ,                       | H             |               |                             |               |         |       |              |                            |          |                                    |              |
| not approved:           |               |               |                             |               |         |       |              |                            |          |                                    |              |
| Clauses affected:       | 器 B.3.⁴       | 1             |                             |               |         |       |              |                            |          |                                    |              |
|                         | YN            |               |                             |               |         |       |              |                            |          |                                    |              |

| Other specs affected: |   | Other core specifications Test specifications O&M Specifications | * |  |  |
|-----------------------|---|--|---|--|--|
| Other comments:       | æ |  |   |  |  |

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## \*\*\* Start Modification \*\*\*

## B.3 Mobile Terminated Events

#### B.3.1 Initial contact with the CSE

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# B.3.4 Instruction by the CSE

After initial contact with the CSE, or after the reporting of subsequent events to the CSE, the CSE shall be able to instruct the IM CN subsystem with the following:

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- To continue the IPMM session with modified information;
- To release the IPMM session.

-To suppress tones and announcements which may be played to the calling party, if an unsuccessful IPMM session establishment occurs

The combination of the event reported to the CSE and the instruction by the CSE is provided in the table C-1. Table C-1 Actions performed by the CSE at specific service event for MO and MT IP multimedia session can be found in Annex C.

## \*\*\* End Modification \*\*\*

| S1-050225        |
|------------------|
| Agenda Item: 8.1 |
|                  |

|                                   |  |                                      |             |                | (                                       | CR-Form-v7.1 |
|-----------------------------------|--|--------------------------------------|-------------|----------------|---|--------------|
|                                   | CHANG  | E REQUE                              | ST          |                |   |              |
| ж <b>22</b>                       | 2.078 CR 181   | ⊭rev -                               | 第 Cur       | rent vers      | 7.2.0                                   | *            |
| For <u><b>HELP</b></u> on using : | this form, see bottom of ti  | his page or look                     | at the pop  | p-up text      | t over the % syr                        | mbols.       |
|                                   |  |                                      |             | ·              |   |              |
| Proposed change affec             | ets: UICC apps#  | ME Ra                                | dio Acces   | s Netwo        | rk Core Ne                              | etwork X     |
| <b>.</b> ,                        |  |                                      |             |                |   |              |
| Title:                            | emoval of "Announcement  | Suppression" in                      | CAMEL       | control o      | of IMS                                  |              |
|                                   |  | опрртеззіон п                        | TOAMLE      | CONTROLO       | II IIVIO                                |              |
|                                   | A1 (Ericsson)  |                                      |             |                |   |              |
| Work item code:                   | AMEL4  |                                      |             | Date: ₩        | 18/01/2005                              |              |
| Category: # A                     | one of the following categor   | ries:                                | _           | l <b>ease:</b> | Rel-7<br>the following rel              | eases:       |
|                                   | <b>F</b> (correction)  |                                      |             | Ph2            | (GSM Phase 2)                           |              |
|                                   | <ul><li>A (corresponds to a correc</li><li>B (addition of feature),</li></ul>                            | tion in an earlier r                 | elease)     | R96<br>R97     | (Release 1996)<br>(Release 1997)        |              |
|                                   | C (functional modification of  | of feature)                          |             | R98            | (Release 1998)                          |              |
| Deta                              | <ul> <li>D (editorial modification)</li> <li>ailed explanations of the abor</li> </ul>                   | ve categories can                    | 1           | R99<br>Rel-4   | (Release 1999)<br>(Release 4)           |              |
|                                   | ound in 3GPP <u>TR 21.900</u> .  | <b>3</b>                             |             | Rel-5          | (Release 5)                             |              |
|                                   |  |                                      |             | Rel-6<br>Rel-7 | (Release 6)<br>(Release 7)              |              |
|                                   | _  |                                      |             |                | (************************************** |              |
| Reason for change: ೫              | 3GPP TS 22.078 v7.2.0  | ) specifies in se                    | ction B.3.4 | 4 (Instruc     | ction by the CS                         | E):          |
|                                   | < start of copy >  |                                      |             | ·              | ·                                       | ,            |
|                                   | the CSE shall be able to in  | nstruct the IM CN                    | subsystem   | with the       | following:                              |              |
|                                   | the GGE shall be able to h   | notified the five of                 | Cabayatan   | i wiai aio     | ronowing,                               |              |
|                                   | To suppress tones and an unsuccessful IPMM session   |                                      |             | played to      | o the calling party                     | /, if an     |
|                                   | < end of copy >  |                                      |             |                |   |              |
|                                   | The suppression of tone<br>establishment is remove<br>from release 7 as well se<br>(TS 23.278) and stage | ed from 3GPP T<br>since it is not ex | TS 22.078   | v5.14.0.       | . This CR remo                          |              |
| Summary of change: ₩              | Remove the requirement control of IMS, from TS   |                                      | ones and a  | announc        | ements for CA                           | MEL          |
| Consequences if #                 |  |                                      |             |                |   |              |
| not approved:                     |  |                                      |             |                |   |              |
| Clauses affected: %               | B.3.4  |                                      |             |                |   |              |
|                                   | YN   |                                      |             |                |   |              |

| Other specs affected: |   | Other core specifications Test specifications O&M Specifications | * |  |  |
|-----------------------|---|--|---|--|--|
| Other comments:       | æ |  |   |  |  |

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