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| | |
|--|---|
| 1. General..... | 2 |
| 1.1 Last Meetings | 2 |
| 1.2 Administrative Work..... | 2 |
| 2. Work Items Rel-4 and earlier..... | 2 |
| 2.1 Technical Enhancements and Improvements | 2 |
| 2.2 Bearer Independent Circuit switched Core Network..... | 2 |
| 3. Work Items Rel-5 | 2 |
| 3.1 Technical Enhancements and Improvements | 2 |
| 3.2 Service Change and UDI fall back for CS multimedia (SCUDIF)..... | 2 |
| 3.3 End-to-end QoS: Go interface | 2 |
| 4. Work Items Rel-6 | 3 |
| 4.1 Interworking between the IM Subsystem and IP networks..... | 3 |
| 4.2 Interworking between the IM Subsystem and CS networks | 3 |
| 4.3 Mn Interface | 4 |
| 4.4 WLAN Interworking | 4 |
| 5. Output Documents | 5 |
| 5.1 Change Request | 5 |
| 5.2 Liaison Statements | 6 |
| 5.3 Work Items | 6 |
| 5.4 Technical Reports and Technical Specifications | 6 |
| 6. Next Meetings | 6 |
| 7. Acknowledgements | 6 |

1. General

1.1 *Last Meetings*

One CN3 meeting has taken place since the last TSG-CN plenary:

?? CN3#27: 10th – 14th February 2003, Dublin, Ireland, hosted by the European Friends of 3GPP.

The detailed CN3 meeting report is contained in **NP-030071**.

This status report [**NP-030070**] summarises the results from these meetings and presents the current status of work in CN3.

1.2 *Administrative Work*

CN3 has reviewed the 3GPP work plan. Comments have been provided to MCC.

CN3 has also reviewed the list of specifications that under its responsibility and ensured that rapporteurs are allocated to each specification.

2. Work Items Rel-4 and earlier

2.1 *Technical Enhancements and Improvements*

Overall corrections of the specification including corrections of the references have been made for TS 09.61 and 29.061 back to R97 and for TS 24.022, Rel-5. The related CRs are included in document **NP-030074** (N3-030120 – 125).

Another set of CRs in document **NP-030075** (N3-030145 and 146) provides corrections related to the removal of the S reference point in an MS. These CRs for TS 27.001 for Rel-4 and Rel-5 provide an alignment with changes for TS 24.002.

2.2 *Bearer Independent Circuit switched Core Network*

The current specification is ambiguous with respect to the ATM connection between two MGWs after inter-MSC handover. The CRs for TR 23.910 and TS 29.007 contained in document **NP-030076** (N3-030116 – 119) clarify the use of the Nb UP protocol after inter-MSC handover.

Two other CRs (N3-030174 and 175) in this document correct TS 29.415. They clarify that a backward compatibility of version 2 to version 1 is not required for the Nb UP protocol.

3. Work Items Rel-5

3.1 *Technical Enhancements and Improvements*

Document **NP-030077** (N3-030032) contains a CR for TS 29.007 that corrects an erroneous implemented CR.

3.2 *Service Change and UDI fall back for CS multimedia (SCUDIF)*

The CR in **NP-030078** (N3-030133) implements a two step HLR interrogation for SCUDIF calls in TS 23.172.

3.3 *End-to-end QoS: Go interface*

TSG CN has requested to change the term PCF into PDF as a result of the outcome of the CN harmonisation workshop between 3GPP and 3GPP2. CN3 provides the CR to do this for TS 29.061 in document **NP-030079** (N3-030046).

Document **NP-030080** contains CRs for TS 29.207 that: -

- ?? clarify the error handling for invalid flow identifiers (N3-030047);
- ?? correct the format of the authorisation token of the binding information (N3-030113);
- ?? clarify the handling of the binding information in the GGSN (N3-030127);
- ?? specify the mechanism to indicate wildcards for the IP filter (N3-030128);
- ?? clarify that the GGSN shall reject a PDP context activation and modification, if it cannot acquire a positive acknowledgement from the PDF and if the PDP context modification is not within the already Authorized QoS (N3-030132);
- ?? provide a terminology corrections and an editorial clean-up (N3-030165);
- ?? clarify the handling in the GGSN for matching TFT filters (N3-030167); and that
- ?? clarify that the PDF shall reject the PDP context modification request if the token has been changed (N3-030181).

Document **NP-030081** contains CRs for TS 29.208 that: -

- ?? extend the rules for deriving maximum authorized data rates/bandwidth for the SDP directional attribute 'inactive' (N3-030074);
- ?? clarify the behaviour of the P-CSCF/PDF in case of a PDP Context modification (N3-030137);
- ?? provide corrections to the tables (N3-030141);
- ?? specify the case if the authorised media stream previously placed on hold is resumed (N3-030173);
- ?? clarify that SBLP has to be applied for some events and for some functions (N3-030169);
- ?? provide overall corrections and editorial clarifications (N3-030171); and that
- ?? extend the rules defining the mapping of the SDP parameters to the maximum authorized QoS classes for the streaming services (N3-030182).

Almost all of the open issues for the Go interface have been solved. Remaining issues are: -

- ?? TS 29.208 may be updated when IETF specifies new parameters to define RTCP bandwidth in a new RFC on "SDP bandwidth modifiers for RTCP". Here we have aligned our view between SA4, CN1 and CN3 and await the implementation of this concept by SA4.
- ?? A reference to Internet Draft draft-ietf-rap-rsvp-authsession has to be updated to refer to RFC when it becomes available.

4. Work Items Rel-6

4.1 Interworking between the IM Subsystem and IP networks

CN3 presents a TR 29.962 (**NP-030073**) on interworking between the 3GPP profile of SIP, which mandates the SIP extensions "preconditions", "update" and "100rel", and SIP clients not supporting these extensions. CN3 was able to complete this TR with support of CN1 experts. CN3 would like to ask CN1 to review this TR before CN3 will send the report to SA2.

4.2 Interworking between the IM Subsystem and CS networks

Significant progress on TS 29.163 was made. Based on CN#18's decision to specify SIP - BICC/ISUP interworking in CN3, several contributions were provided. There is no CR to CN#18 because this TS is not yet under change control. CN3 decided to have an additional ad hoc meeting on 1st and 2nd April 2003 in order to make further progress regarding TS 29.163.

4.3 Mn Interface

The part on Mn signalling interactions and procedures in TS 29.163 is almost completed. The specification is mature enough to enable CN4 to work on the stage 3 specification (TS 29.332). The split of work between TS 29.163 and TS 29.332 was clarified between CN3 and CN4. The WID updated by CN4 has been reviewed by CN3.

4.4 WLAN Interworking

CN3 has reviewed WID on WLAN Interworking proposed by CN4. CN3 agreed to provide the work for the Wi reference point between the Packet Data Gateway and the packet data network.

5. Output Documents

5.1 Change Request

| CN Doc # | CN3 Doc # | Tdoc Title | Spec | CR # | Rev | CAT | Rel | WI |
|-----------|-----------|--|--------|------|-----|-----|-------|---------|
| NP-030074 | N3-030120 | Correction of references and specification corrections | 09.61 | A047 | 1 | F | R97 | TEI |
| NP-030074 | N3-030121 | Correction of references and specification corrections | 09.61 | A048 | 1 | A | R98 | TEI |
| NP-030074 | N3-030122 | Correction of references and specification corrections | 29.061 | 081 | 1 | A | R99 | TEI |
| NP-030074 | N3-030123 | Correction of references and specification corrections | 29.061 | 082 | 1 | A | Rel-4 | TEI |
| NP-030074 | N3-030124 | Correction of references and specification corrections | 29.061 | 083 | 1 | A | Rel-5 | TEI |
| NP-030074 | N3-030125 | Correction of References and specification Corrections | 24.022 | 008 | 1 | F | Rel-5 | TEI |
| NP-030075 | N3-030145 | Removal of S reference point within the MS | 27.001 | 083 | 1 | F | Rel-4 | TEI |
| NP-030075 | N3-030146 | Removal of S reference point within the MS and introduction of GERAN lu mode | 27.001 | 084 | 1 | F | Rel-5 | TEI |
| NP-030076 | N3-030116 | Use of Nb UP protocol after inter-MSC handover | 23.910 | 044 | 1 | F | Rel-4 | CSSPLIT |
| NP-030076 | N3-030117 | Use of Nb UP protocol after inter-MSC handover | 23.910 | 045 | 1 | A | Rel-5 | CSSPLIT |
| NP-030076 | N3-030118 | Use of Nb UP protocol after inter-MSC handover | 29.007 | 066 | 1 | F | Rel-4 | CSSPLIT |
| NP-030076 | N3-030119 | Use of Nb UP protocol after inter-MSC handover | 29.007 | 067 | 1 | A | Rel-5 | CSSPLIT |
| NP-030076 | N3-030175 | No backward compatibility to Nb UP FP support mode version 1 | 29.415 | 007 | 1 | A | Rel-5 | CSSPLIT |
| NP-030076 | N3-030174 | No backward compatibility to Nb UP FP support mode version 1 required | 29.415 | 006 | 1 | F | Rel-4 | CSSPLIT |
| NP-030077 | N3-030032 | Correction of erroneous implemented CRs | 29.007 | 065 | | F | Rel-5 | TEI |
| NP-030078 | N3-030133 | Two-step HLR interrogation for SCUDIF calls | 23.172 | 007 | 1 | F | Rel-5 | SCUDIF |
| NP-030079 | N3-030046 | Terminology correction | 29.061 | 080 | | F | Rel-5 | E2EQoS |
| NP-030080 | N3-030165 | Terminology corrections and capability section update | 29.207 | 073 | 2 | F | Rel-5 | E2EQoS |
| NP-030080 | N3-030047 | Invalid Flow ID | 29.207 | 075 | | F | Rel-5 | E2EQoS |
| NP-030080 | N3-030127 | Clarification to binding information handling | 29.207 | 076 | 1 | F | Rel-5 | E2EQoS |
| NP-030080 | N3-030132 | Restrictions to PDP context policy decisions | 29.207 | 077 | 1 | F | Rel-5 | E2EQoS |
| NP-030080 | N3-030128 | Mechanism for wildcarding filter elements | 29.207 | 078 | 1 | F | Rel-5 | E2EQoS |
| NP-030080 | N3-030181 | Reject change of token in PDP context modification | 29.207 | 081 | 3 | F | Rel-5 | E2EQoS |
| NP-030080 | N3-030167 | Clarification on TFT filters | 29.207 | 084 | 2 | F | Rel-5 | E2EQoS |
| NP-030080 | N3-030113 | Correction of what is identified with the policy element AUTH_SESSION | 29.207 | 088 | | F | Rel-5 | E2EQoS |
| NP-030081 | N3-030182 | mapping rules for QoS authorization | 29.208 | 019 | 3 | F | Rel-5 | E2EQoS |
| NP-030081 | N3-030171 | Correction of a clash | 29.208 | 021 | 2 | F | Rel-5 | E2EQoS |
| NP-030081 | N3-030074 | Addition of the SDP directional attribute "inactive". | 29.208 | 022 | | F | Rel-5 | E2EQoS |
| NP-030081 | N3-030173 | Adding of the Resume case | 29.208 | 025 | 2 | F | Rel-5 | E2EQoS |
| NP-030081 | N3-030137 | Clarification on PDP context modification | 29.208 | 026 | 1 | F | Rel-5 | E2EQoS |
| NP-030081 | N3-030169 | Correction and clarification that is needed in some cases | 29.208 | 029 | 2 | F | Rel-5 | E2EQoS |
| NP-030081 | N3-030141 | Corrections in the table 7.1.1.2 and in the table 7.2.2.1. | 29.208 | 031 | | F | Rel-5 | E2EQoS |

5.2 Liaison Statements

The following Liaison Statements are contained in **NP-030072**.

| Tdoc # | Tdoc Title | LS to | LS cc | Attachment |
|-----------|--|-----------|--------------------|------------|
| N3-030142 | LS reply to CN4 on Proposed Split Of Work between 29.163 and 29.332 | CN4 | - | - |
| N3-030170 | Reply LS on "Procedure for specifying UMTS QoS parameters per application" | SA4, RAN2 | SA1, SA2, RAN4, T1 | - |
| N3-030184 | LS Handling of DTMF in IMS | CN1, SA4 | - | N3-030099 |
| N3-030186 | LS on Handling of the SDP "inactive" direction attribute. | SA5 | CN1 | - |
| N3-030188 | LS on "Not allowing token changes for a PDP context" | SA2 | SA5, CN1 | - |

5.3 Work Items

There are no new Work Item Description sheets.

5.4 Technical Reports and Technical Specifications

CN3 provides the following technical report to CN#19 for information.

| Tdoc # | Number | Version | Rel | Title | Rapporteur | Company |
|-----------|--------|---------|-------|--|----------------|---------|
| NP-030073 | 29.962 | 1.0.0 | Rel-6 | Signalling Interworking between the 3GPP Profile of SIP and non-3GPP SIP Usage | Thomas Belling | Siemens |

6. Next Meetings

Next CN3 meetings are scheduled as follows:

| Meeting | Date | Location, Host |
|--------------------------|----------------------|--------------------------------|
| TSG-CN3 ad hoc on 29.163 | 1st – 2nd April 2003 | Sophia Antipolis, France, ETSI |
| TSG-CN3#28 | 19th – 23rd May 2003 | San Diego, USA |
| TSG-CN3#29 | 18th – 22nd Aug 2003 | Sophia Antipolis, France, ETSI |
| TSG-CN3#30 | 27th – 31st Oct 2003 | China, Ericsson |

7. Acknowledgements

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