



Third Generation Partnership Project

MEETING REPORT v3.0.0

3GPP TSG CN WG 3

Meeting #21bis

Sophia Antipolis, France

25th -27th February 2002.

Hosted by



Chairman: Norbert Klehn, Siemens AG. norbert.klehn@icn.siemens.de

Vice Chairman: None.

MCC Support: David Boswarthick, ETSI MCC. david.boswarthick@etsi.fr

Draft Meeting Report for CN3#21 bis Meeting

| Agenda item | Agenda item title | Tdoc N3-020 | Title | Source | Result | comments |
|-------------|--|--|---|-----------|--------|---|
| 1 | Opening of the meeting | | | | | REGISTRATION FROM 08:30 ON 25th FEBRUARY MEETING BEGINS 09:00 ON 25th FEBRUARY |
| 2 | Approval of the agenda and registration of documents | 153 | Agenda and document allocation to agenda items | CN3 Chair | agreed | |
| | | 165 | Agenda and document allocation to agenda items | CN3 Chair | noted | |
| 3 | Reports | | | | | |
| 4 | IPR disclosures | <i>Reminder to Individuals Members and the persons making the technical proposals about their obligations under their respective Organizational Partners IPR Policy.</i> | | | | |
| 5 | Received Liaison Statements | 154 | LS on further guidance on the minimum set of functionality for the Go interface | SA2 | noted | SA2 gives guidance for the functions that are essential in Rel-5. CN3 has provided the ability but further work is still required. DiffServ function has low priority. |
| | | 155 | LS on Relation of number of IMS media components and PDP contexts | SA2 | noted | To combine QoS classes, to define the data structure for QoS classes and see where bit has impact on the spec |
| | | 169 | LS to SA2, SA5, CN1 on Go interface (response to S2-020909 (N3-020154)) | CN3 | | Provided via e-mail list, e-mail approval, initial version will be provided by AWS |
| | | 170 | LS to SA5 on charging ID | CN3 | | Provided via e-mail list, e-mail approval, initial version will be provided by AWS |
| 6 | e2e QoS for IM Subsystem | | | | | |

| Agenda item | Agenda item title | Tdoc N3-020 | Title | Source | Result | comments |
|-------------|---|--------------------------|---|---|--|--|
| 7.1 | 29.207 | | | | | |
| 7.1.1 | Introduction (Sections 1-3) | 131 140 152 | Proposed Changes to clauses 1-3 of TS 29.207 Proposed amendments to the introduction section and section 1 to 3 of TS 29.207 Proposed Changes to clauses 1-3 of TS 29.207 | Siemens Lucent Technologies Lucent Technologies & Siemens | Revised to 152 Revised to 152 agreed | Merged with 140 Merged with 131 Minor editorial changes |
| 7.1.2 | Go functional elements (section 4.1) | 132 129 145 146 | Proposed Update of subclause 4.1 Go interface functionalities Go Functional Elements Rational for minimum requirements for the Go interface | Siemens Nokia Ericsson Nortel Networks | agreed agreed agreed Not agreed | Minor editorial changes, come back to the bullet points at the end of the meeting Remaining notes to be clarified Still to decide where the text should be included, at the moment it will be included at the end of the document Not agreed to be included in 29.207, should rather be considered in SA2 because requirements on the Go interface should be included in any stage 2 specification. |
| 7.1.3 | Go reference model (section 4.2) | 133 | Update of Chapter 4.2 Go Reference Model | Siemens | Partly agreed | Text is agreed with minor changes and will be included in 29.207, the figure needs some more investigations, depending on the results at the end of the meeting, additional boxes may be necessary. |
| 7.1.4 | SBLP & Gate function (sections 4.3.1.1 / 5.1.1) | 130 | GGSN functionalities and procedures | Nokia | agreed | Agreed with changes, will go into spec |

| Agenda item | Agenda item title | Tdoc N3-020 | Title | Source | Result | comments |
|-------------|--|-------------|--|---------|-----------------|--|
| | | 134 | Service-based local policy enforcement point | Siemens | Replaced by 156 | |
| | | 156 | Service-based local policy enforcement point | Siemens | agreed | 4.3.1.1 SBLP enforcement point + 4.3.1.x Gate function agreed with changes, will go into spec |
| | | 126 | Correlation of TFT and Packet classifier | H3G | Partly agreed | 5.1.1 TFT in GGSN Ericsson rejects because more detailed discussion in SA2 is necessary. Ericsson's contribution not discussed in SA2 due to lack of time, will be included in "4.3.1.2 Gate function" as placeholder indicating outstanding discussion in SA2. |
| | | 135 | QoS information processing in the PEP | Siemens | Rev to 160 | 4.3.1.1.1 Information mapping |
| | | 160 | QoS information processing in the PEP | Siemens | noted | Agreed with revisions, included in 29.207 |
| | | 137 | Service-based local policy decision point | Siemens | agreed | 4.3.2.1 SBLP decision point agreed with changes, some outstanding issues |
| | | 163 | Additions for gating function | AWS | Agreed | Will go into section 6.3.2 of 29.207 V 0.8.0 |
| 7.1.5 | Binding mechanism (sections 4.3.1.2 / 4.3.2.2) | 128 | PCSCF naming and discovery | H3G | agreed | Who defines the authorisation Token? CN1 or CN3, to check former LS by joint CN1/CN3 session !!! Not, that the format definition will be done in CN1 \neq H3G will contribute |
| | | 136 | Binding mechanism handling in the GGSN | Siemens | Agreed | Agreed with minor changes |
| | | 138 | Binding mechanism handling in the PCF | Siemens | Agreed | Agreed with minor changes |

| Agenda item | Agenda item title | Tdoc N3-020 | Title | Source | Result | comments |
|-------------|------------------------------|-------------|--|---------------------|---------------|--|
| 7.1.6 | DiffServ (section 4.3.1.3) | 148 | DiffServ function of the GGSN | Nortel Networks | rejected | Postponed due to low priority given by SA2's LS, Ericsson expects a lot of discussion need, finally rejected because DiffServ is implemented in GGSN, there is no need to transport DiffServ related information via Go interface |
| 7.1.7 | Security (section 4.3.1.x ?) | 147 | Security & COPS-PR | Nortel Networks | rejected | Complete rephrasing is necessary |
| 7.1.8 | Go PIB | 150 | UMTS Go PIB skeleton | Nortel Networks | Rev to 161 | Good starting point, more time needed for checking |
| | | 161 | UMTS Go PIB skeleton | Nortel Networks | Agreed | Agreed with minor changes, goes into 29.207 V 0.9.0 |
| 7.1.9 | Restructuring | 141 | Proposed restructuring of section 4 and 5 of TS 29.207 | Lucent Technologies | Partly agreed | UE specification remains in annex A for the time being. UE behaviour has to be specified, but no contributions so far because classified as informative annex (concerns!) Split of clause 4 (functionalities) and 5 (procedures) is confirmed |
| | | 151 | Restructure of 29.207 | Ericsson | Partly agreed | Proposed sections 4.4 and 4.5 go into new section 6, doc 158 will provide new structure taking into account agreed proposals by 141 and 151 |
| 7.1.10 | Others (section 5.3.2.1) | 149 | COPS-PR Usage for UMTS Go Interface & UMTS-specific Information in COPS-PR | Nortel Networks | Rev to 159 | |

| Agenda item | Agenda item title | Tdoc N3-020 | Title | Source | Result | comments |
|-------------|-------------------|--------------------------|--|---|--|---|
| | | 159 | COPS-PR Usage for UMTS Go Interface & UMTS-specific Information in COPS-PR | Nortel Networks | noted | Agreed changes are already included in 29.207 V 0.8.0 |
| 7.1.11 | The spec | 157 158 166 168 | 29.207 version 0.7.0 29.207 version 0.8.0 29.207 version 0.9.0 29.207 version 0.10.0 | Lucent Technologies Lucent Technologies CN3 CN3 | Rev to 158 Rev to 166 Rev to 168 agreed | |
| 7.2 | 29.208 | | | | | |
| 7.2.1 | sections 1 - 3 | 142 | Proposed amendments to section 1 to 3 of TS 29.208 | Lucent Technologies | Agreed | Agreed with some minor changes |
| 7.2.2 | sections 4 - 6 | 143 144 162 | Proposed editorial amendments to section 4 to 6 of TS 29.208 Proposed amendments to TS 29.208 to cover use of cached policy in Local Decision Point Proposed amendments to TS 29.208 to cover use of cached policy in Local Decision Point | Lucent Technologies Lucent Technologies Lucent Technologies | Agreed Rev to 162 withdrawn | Diagrams for modification to be added (see LS by SA2) |
| 7.2.3 | section 7 | 125 | SDP to UMTS QoS mapping principles | H3G | Agreed | Agreed with some changes, will go into 29.208 |

| Agenda item | Agenda item title | Tdoc N3-020 | Title | Source | Result | comments |
|-------------|----------------------|-------------|---|---------------------|------------|--|
| | | 127 | SDP to UMTS QoS mapping | H3G | postponed | Discussion on 29.207 has to be completed before we can update this contribution, input by other WGs needed, offline discussions between H3G and Ericsson, e-mail discussion (to check what SA4 has done) |
| 7.2.4 | The spec | 164 | TS 29.208 version 0.4.0 | Lucent Technologies | agreed | To be presented to CN#15 as version 1.0.0 |
| 7.3 | WID | 139 | Proposed revision of WID for End-to-end QoS stage 3 | Lucent Technologies | Rev to 167 | |
| | | 167 | Proposed revision of WID for End-to-end QoS stage 3 | Lucent Technologies | agreed | |
| 8 | Summary of results | | | | | |
| 9 | Any other business | | | | | |
| 10 | Close of the meeting | | | | | |

Annex A: Summary of Results

A.1 Work Items

The following WIDs were agreed by CN3, and are to be sent to the TSG-CN#15 Plenary for Approval:

| TDoc # | Tdoc Title | WI | Rel |
|---------------|---|-----------|------------|
| N3-020167 | Updated WID for Proposed revision of WID for End-to-end QoS stage 3 | e2eQoS | Rel-5 |

A.2 TRs / TSs

The following TR/TSs were agreed by CN3, and are to be sent to the TSG-CN#15 Plenary for information:

| TDoc # | Spec | Tdoc Title | C_Version | Rel |
|---------------|-------------|-------------------|------------------|------------|
| N3-020164 | 29.208 | TS 29.208 | 0.4.0 | Rel-5 |
| N3-020168 | 29.207 | TS 29.207 | 0.10.0 | Rel-5 |

Annex B: List of CN3 Meeting Participants

The following delegates attended the CN3#21bis meeting.

| | | | |
|------------------------------|--------------------------------|---------------------|---------------------------------------|
| Mr. Laurent Andriantsiferana | Cisco Systems Inc. | +1 408-853-4709 | landrian@cisco.com |
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Annex C: List of documents

Details can also be found in the file *N3_21B_Tdoc_list.xls* on the meeting server.

| TDoc # | Type | Tdoc Title | Source | Status |
|-----------|----------------|--|---------------------|------------------|
| N3-020125 | [CR] | SDP to UMTS QoS mapping principles | H3G | AGREED |
| N3-020126 | [CR] | Correlation of TFT and Packet classifier | H3G | Partly agreed |
| N3-020127 | [CR] | SDP to UMTS QoS mapping | H3G | POSTPONED |
| N3-020128 | DISCUSSION DOC | PCSCF naming and discovery | H3G | AGREED |
| N3-020129 | [CR] | Go interface functionalities | Nokia | AGREED |
| N3-020130 | [CR] | GGSN functionalities and procedures | Nokia | AGREED |
| N3-020131 | DISCUSSION DOC | Proposed Changes to clauses 1-3 of TS 29.207 | Siemens | MERGED IN 0152 |
| N3-020132 | DISCUSSION DOC | Proposed Update of subclause 4.1 | Siemens | AGREED |
| N3-020133 | [CR] | Update of Chapter 4.2 Go Reference Model | Siemens | Partly agreed |
| N3-020134 | [CR] | Service-based local policy enforcement point | Siemens | REPLACED BY 0156 |
| N3-020135 | [CR] | QoS information processing in the PEP | Siemens | REVISED TO 0160 |
| N3-020136 | [CR] | Binding mechanism handling in the GGSN | Siemens | AGREED |
| N3-020137 | [CR] | Service-based local policy decision point | Siemens | AGREED |
| N3-020138 | [CR] | Binding mechanism handling in the PCF | Siemens | AGREED |
| N3-020139 | WID | Proposed revision of WID for End-to-end QoS stage 3 | Lucent Technologies | REVISED TO 0167 |
| N3-020140 | DISCUSSION DOC | Proposed amendments to the introduction section and section 1 to 3 of TS 29.207 | Lucent Technologies | MERGED IN 0152 |
| N3-020141 | DISCUSSION DOC | Proposed restructuring of section 4 and 5 of TS 29.207 | Lucent Technologies | Partly agreed |
| N3-020142 | DISCUSSION DOC | Proposed amendments to section 1 to 3 of TS 29.208 | Lucent Technologies | AGREED |
| N3-020143 | DISCUSSION DOC | Proposed editorial amendments to section 4 to 6 of TS 29.208 | Lucent Technologies | AGREED |
| N3-020144 | DISCUSSION DOC | Proposed amendments to TS 29.208 to cover use of cached policy in Local Decision Point | Lucent Technologies | REVISED TO 0162 |
| N3-020145 | DISCUSSION DOC | Go Functional Elements | Ericsson | AGREED |
| N3-020146 | DISCUSSION DOC | Rational for minimum requirements for the Go interface | Nortel Networks | NOT AGREED |
| N3-020147 | [CR] | Security & COPS-PR | Nortel Networks | REJECTED |
| N3-020148 | [CR] | Go reference model | Nortel Networks | REJECTED |
| N3-020149 | [CR] | COPS-PR Usage for UMTS Go Interface & UMTS-specific | Nortel Networks | REVISED TO 0159 |

| TDoc # | Type | Tdoc Title | Source | Status |
|-----------|----------------|--|---------------------|-----------------|
| | | Information in COPS-PR | | |
| N3-020150 | [CR] | UMTS Go PIB skeleton | Nortel Networks | REVISED TO 0161 |
| N3-020151 | Disc | Restructure of 29.207 | Ericsson | Partly agreed |
| N3-020152 | DISCUSSION DOC | Proposed Changes to clauses 1-3 of TS 29.207 | Siemens & Lucent | AGREED |
| N3-020153 | DISCUSSION DOC | Allocation of tdocs to agenda items for CN3#21bis | CN3 Chair | AGREED |
| N3-020154 | LS IN | LS on further guidance on the minimum set of functionality for the Go interface | SA2 | NOTED |
| N3-020155 | LS IN | LS on Relation of number of IMS media components and PDP contexts | SA2 | NOTED |
| N3-020156 | | Service-based local policy enforcement point | Siemens | AGREED |
| N3-020157 | TS | 29.207 version 0.7.0 | Lucent Technologies | REVISED TO 0158 |
| N3-020158 | TS | 29.207 version 0.8.0 | Lucent Technologies | REVISED TO 0166 |
| N3-020159 | | COPS-PR Usage for UMTS Go Interface & UMTS-specific Information in COPS-PR | Nortel Networks | NOTED |
| N3-020160 | | QoS information processing in the PEP | Siemens | NOTED |
| N3-020161 | [CR] | UMTS Go PIB skeleton | Nortel Networks | AGREED |
| N3-020162 | [CR] | Proposed amendments to TS 29.208 to cover use of cached policy in Local Decision Point | Lucent Technologies | WITHDRAWN |
| N3-020163 | [CR] | Additions for gating function | AWS | AGREED |
| N3-020164 | TS | TS 29.208 version 0.4.0 | Lucent Technologies | AGREED |
| N3-020165 | DAD | Agenda and document allocation to agenda items | CN3 Chair | NOTED |
| N3-020166 | TS | 29.207 version 0.9.0 | CN3 | REVISED TO 0168 |
| N3-020167 | WID | Proposed revision of WID for End-to-end QoS stage 3 | Lucent Technologies | AGREED |
| N3-020168 | TS | 29.207 version 0.10.0 | CN3 | AGREED |
| N3-020169 | LS OUT | LS to SA2, SA5, CN1 on Go interface (response to S2-020909 (N3-020154)) | CN3 | e-mail |
| N3-020170 | LS OUT | LS to SA5 on charging ID | CN3 | e-mail |