

**Source:** MCC  
**Title:** Draft Minutes of Future Evolution meeting at TSG #21  
**Document for:** Information  
**Agenda Item:** 8.9

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## **1. Opening of the meeting**

The fifth Future Evolution meeting took place immediately before TSG SA#21 meeting in Frankfurt, Germany, on the morning of Monday, September 22<sup>nd</sup> 2003. It was chaired by Mr Iain Sharp, Nortel, and was supported by Mr Alain Sultan, MCC, author of these minutes.

**EV-030100, *Meeting Agenda***, from Convenor

The agenda was presented in EV-030100. These minutes reproduce the structure of the meeting: the chapters of these minutes correspond to the agenda items.

**Conclusion:** Approved.

## **2. Approval of the output from previous meeting**

**EV-030124, *TR 21.902 v.1.2.0***, from Rapporteur

This document contains the version 1.2.0 of the TR 21.902 on Evolution of 3GPP System, approved by e-mail.

**Conclusion:** The meeting agreed to use it as a basis for future work.

**EV-030136, *TR 21.902 v.1.3.0***, from Rapporteur

This version, provided at the end of the meeting, contains all the documents approved during this meeting (5<sup>th</sup> meeting, at TSG 21), with the exception of the document EV-030136, to be included in later version if approved.

**Conclusion:** Noted. It has to be further crosschecked, and EV-030135 to be included in v.2.0.0. Revisions in v.2.0.0 should show the changes compared to v.1.3.0.

## **3. Conclusion of email discussions**

All the documents approved by e-mail have been included in the version 1.2.0 of the TR 21.902.

## **4. New specific proposals to the TR**

### **4.1 Proposals on Chapter 3**

**EV-030125, *Proposed editorial changes to TR 21.902: Changes to section 3***, from Editor

Editorial changes are proposed to the document in order to bring it to a state of readiness for approval. These changes are not intended to change meanings, but to improve the readability of the document.

**Conclusion:** Approved.

### **4.2 Proposals on Chapter 4**

**EV-030126, *Proposed editorial changes to TR 21.902: Changes to section 4***, from Editor

Similar changes as in EV-030125 are proposed for section 4.

**Conclusion:** Approved.

**EV-030117, *Proposed changes to TR 21.902: Removal of header compression in Chapter 4.1.3***, from Nokia

Nokia proposes to remove the “header compression in UTRAN and GERAN” from the list of 3GPP Release 5 in chapter 4.1.3 as it was introduced earlier.

**Conclusion:** Approved.

**EV-030120, *Proposed changes to TR 21.902: Self-Reference in Chapter 4.1.5***, from Nokia

This document of primary importance proposes to change “TR 21.902, on Evolution of 3GPP System” into “The present document” (one occurrence). O2 made an alliance with Nokia by strongly supporting this change, and remembered they were the first company spotting the problem. However, in a magnanimous attitude, they thanked Nokia for bringing up in a document this necessary change O2 never had the opportunity to provide.

**Conclusion:** Approved.

#### **4.3 Proposals on Chapter 5**

**EV-030119, *Proposed changes to TR 21.902: Clean-up of Tables in Chapter 5***, from Nokia  
Section 5 presently contains two tables, one supposed to cover the “Summary of Stakeholder expectations” and the other one for “Mapping of Stakeholder expectations to Focus Areas”. As the contents of these tables are very similar, the first table is replaced by a reference to the second one.

**Conclusion:** Approved.

**EV-030132, *Trusted environment in Chapter 5***, from TIM

This document adds “Trusted environment based on USIM/UICC” as a Network Operator’s expectation, and “Availability of a trusted environment” as an End User’s requirement.

**Conclusion:** Approved. As the first table as been deleted by previous document, only the change on the second table applies.

#### **4.4 Proposals on Chapter 6**

**EV-030121, *User Platform Support in Chapter 6.3.2***, from Nokia

This deletes “User platform support” from the TR as it is not a commonly used term and has not been described.

**Conclusion:** Approved.

**EV-030127, *Proposed editorial changes to TR 21.902: Changes to Section 6***, from Editor

The wording of section 6 is improved without modification of the meaning.

**Comments:** “in the” appears twice in the first sentence under “6.2.5 User Equipment”.

**Conclusion:** Approved. One of “in the” (preferably the second one) will be deleted by the editor.

**EV-030129, *Proposed editorial changes to TR 21.902: Changes to text on service provision***, Samsung

Now that an appropriate place has been found for the text is the note just under “6.2.3 Service Provision”, it is proposed to delete the note and put the text previously is the note at the appropriate place.

**Conclusion:** Approved.

**EV-030130, *Proposed editorial changes to TR 21.902: Changes to text on User equipment***, from Samsung Electronics

The statement “Long battery life” is unclear: the “battery life” can be understood as the time before recharging the battery or the time before you throw away your battery because even after recharging, it does not last long enough. So it is proposed to add “Increased standby and talk times” to resolve this ambiguity and to leave previous statement (probably for keeping some mystery in the TR).

**Comment:** “talk” might not be the best word as there are other services than speech to be provided by the terminals. It will have to be replaced by “activity”.

“Large choice of terminals and terminal types” is also replaced by “Large choice of terminal models and terminal types” to clarify that the end user will have the choice for different models of terminals and not for different terminals all of the same model.

**Conclusion:** Approved with these revisions.

**EV-030131, Proposed changes to TR 21.902: Clean-up of RAN evolution in Chapters 6.2.1 and 6.3.1**, from TIM and Nokia

The document was presented by TIM.

Different independent changes are proposed for this section.

**Conclusion:** Approved.

**EV-030133, Proposed changes to TR 21.902: Ad Hoc Network applicability in 3GPP - Chapter 6.3.2**, from TIM

This document aims at clarifying the potential role of Ad Hoc Networking into 3GPP systems and introduces the corresponding changes.

**Comments:** Many companies raised the issue that this proposal is too detailed compared to the rest of the document:

- O2 commented that statements as “The Ad hoc networking integration shall allow the full operator control of all the nodes involved” are too precise for the TR. They propose to put it in annex.
- AWS has same concern e.g. on “self-configuration, self-balancing and self-healing capabilities”.

For Nokia, if TIM want to introduce this level of details, then there are many aspects lacking, e.g. “full operator control” does not clarify whether the home network or the visited network is referred to, it does not clarify whether licensed or unlicensed bands are referred to, etc.

For Lucent, this is clearly introducing requirements, and a better target for the proposed text could be a SA1 TS.

Some text can however be extracted to be in line with the rest of the TR.

**Conclusion:** Revised to EV-030135.

**EV-030135, Proposed changes to TR 21.902: Ad Hoc Network applicability in 3GPP - Chapter 6.3.2**, from Drafting Group

The result of the drafting group is to reduce the proposal to two bullets to be included in the “Network Operators Expectations” column in the table in section 5 (the text in yellow background is new) and one statement in the “Core Network” section.

**Conclusion:** Approved.

#### **4.5 Proposals on Chapter 7**

**EV-030128**, Proposed editorial changes to TR 21.902: Changes to section 7, from Rapporteur

Rephrasing of section 7 is proposed.

**Conclusion:** Merged with EV-030118 in EV-030134.

**EV-030118, Proposed changes to TR 21.902: Alignment of ITU/WRC/WARC terminology in Chapters 1 and 7.2**, from Nokia

The terms ITU, WRC and WARC have been used in an inconsistent way, so Nokia propose to use WRC in all occasions.

**Comments:** the changes on section 7.2 are superseded by the ones in EV-030128.

**Conclusion:** revised to EV-030134 to include the changes of EV-030128.

**EV-030134, Proposed editorial changes to TR 21.902: Changes to text on spectrum**, from Rapporteur

The documents EV-030118 and EV-030128 are merged into this document.

**Conclusion:** Approved. The explanation of the acronym “WRC” has to be potentially corrected by the editor as it might be wrong.

## **5. Sending the TR for approval by SA**

The meeting agreed to present the document to the SA plenary later on this week. The rapporteur and the chairman will draft the cover page.

## **6. Maintaining the TR**

**EV-030123, *Options for Maintaining the TR***, from Chairman

The Future Evolution Workshop chairman has identified 4 options for maintaining the TR:

These options are:

- 1) CRs should be presented direct to SA
- 2) A permanent SA subgroup (eg SA1?) should be assigned to own the TR
- 3) No maintenance is required - the report can be kept at the approved version
- 4) The Evolution Workshop is maintained to support the TR

He expressed his preference towards first solution 1 and then solution 2. Orange, Lucent, Vodafone and AWS expressed their preference to have it owned by SA1. Siemens (and Nortel) prefer to have the CRs presented at SA.

**Conclusion:** There is no consensus on none of the solutions above, so it will be up to SA to decide what to do for the maintenance of the document.

## **7. Follow-up activities in 3GPP. Plans for future discussions**

None.

## **8. AoB**

None.

## **9. Closing of the meeting**

As it was the last Future Evolution meeting, the chairman particularly thanked the delegates for their participation and MCC for the support. The delegates congratulated the chairman for his very efficient job and gave him a great applause.

## Annex: Tdoc list

Filename	Title	Source
EV-030100	Agenda	Chairman
EV-030101	Proposed Changes to Chapter 8.1	AT&T Wireless Services
EV-030102	Clarification of radio technology terminology	Orange
EV-030103	Proposed change to Ubiquitous Access focus area	Orange
EV-030104	Proposed changes to vision of long term evolution of the 3GPP core network system	Orange
EV-030105	Proposed changes to 21.902 Introduction to align more closely with ITU	Orange
EV-030106	Proposed changes to TR 21.902 – Radio access network	Telecom Italia
EV-030107	Proposed changes to TR 21.902 – User expectations and smart cards	Telecom Italia
EV-030108	Proposed changes to TR 21.902 – Smartcards evolution	Telecom Italia
EV-030109	Proposed changes to TR 21.902 sec-6.2.2, Core network architecture optimisation	NTTDoCoMo
EV-030110	Proposed changes to TR 21.902 – Radio access network	Rapporteur
EV-030111	Proposed Changes to Chapter 7.1: Revised	AT&T Wireless Services; Nokia
EV-030112	Changes to 21.902 on Security and Smartcards	Siemens
EV-030113	Clarification of radio technology terminology (replaces EV-030102)	Orange
EV-030114	Contribution to TR 21.902 v.1.1.1 - Radio Access Network	Telecom Italia Mobile
EV-030115	Clarifications to the section “radio access technology”	Rapporteur
EV-030116	Proposed Changes to Chapter 7.1: Revision 2	AT&T Wireless Services
EV-030117	Proposed changes to TR 21.902 - Removal of header compression in Chapter 4.1.3	Nokia
EV-030118	Proposed changes to TR 21.902 - Alignment of ITU/WRC/WARC	Nokia
EV-030119	Proposed changes to TR 21.902 - Clean-up of Tables in Chapter 5	Nokia
EV-030120	Proposed changes to TR 21.902 - Self-Reference	Nokia
EV-030121	Proposed changes to TR 21.902 - User Platform Support	Nokia
EV-030122	Results of Email Approval	WG Chairman
EV-030123	Options for Maintaining the TR	WG Chairman
EV-030124	TR 21.902 v1.2.0	Rapporteur
EV-030125	Editorial changes to section 3	Rapporteur
EV-030126	Editorial changes to section 4	Rapporteur

<b>EV-030127</b>	<b>Editorial changes to section 6</b>	<b>Rapporteur</b>
<b>EV-030128</b>	<b>Editorial changes to section 7</b>	<b>Rapporteur</b>
<b>EV-030129</b>	<b>Changes to text on Service provision</b>	<b>Samsung Electronics</b>
<b>EV-030130</b>	<b>Changes to text on User Equipment</b>	<b>Samsung Electronics</b>
<b>EV-030131</b>	<b>Proposed changes to TR21.902- Clean up of RAN Evolution in Chapters 6.2.1 and 6.3.1</b>	<b>TIM</b>
<b>EV-030132</b>	<b>Proposed changes to TR 21.902 - Trusted environment in Chapter 5</b>	<b>TIM</b>
<b>EV-030133</b>	<b>Ad hoc network applicability in 3GPP</b>	<b>TIM</b>
<b>EV-030134</b>	<b>Changes to text on spectrum (merge of 118 and 128)</b>	<b>Rapporteur</b>
<b>EV-030135</b>	<b>Ad Hoc Network applicability in 3GPP - Chapter 6.3.2</b>	<b>Drafting group (TIM)</b>
<b>EV-030136</b>	<b>TR 21.902 v.1.3.0</b>	<b>Rapporteur</b>