INTERNATIONAL TELECOMMUNICATION UNION

RADIOCOMMUNICATION STUDY GROUPS

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18th Meeting of Task Group 8/1
25 October – 5 November 1999, Helsinki, Finland

Task Group 8/1

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LIAISON STATEMENT TO SDOs AND PARTNERSHIP PROJECTS

ITU-R TG 8/1 would like to express its sincerest thanks to ARIB, CWTS, ETSI, TIA, TTA, TTC, T1, 3GPP, and 3GPP2 for their submissions and support throughout the formative process of the IMT-2000 standard. Without these diligent efforts, IMT-2000 would not be possible. TG 8/1 also appreciates and encourages the cooperative spirit and efforts that have occurred between the members of the Partnership Projects toward the development of the "Hooks and Extensions" necessary to allow operation of several IMT-2000 radio interfaces on both core networks. Relevant organizations are further encouraged to expedite the completion of the harmonization activities between the CDMA TDD systems proposed by 3GPP and CWTS.

In order to ensure a successful consideration of the SDO materials in the draft new Recommendation ITU-R [IMT.RSPC], it is necessary that the relevant SDOs complete the transposition (conversion of the core specifications into their own deliverables), and where appropriate, any public enquiry and publication process by April 2000 before the ITU Radiocommunication Assembly in May 2000. In addition, it is necessary that the referenced and published SDO deliverables on file with ITU-R as of 1 April 2000, conform to IMT.RSPC, including all footnotes.

Your organization is encouraged to pursue discussions with the ITU, to implement the necessary publication and legal arrangements within the framework of Annexes 5 and 6 of Document 8-1/432 (Report of the 20-21 September 1999 meeting among external organizations and the ITU) to ensure a successful consideration of the SDO materials in IMT.RSPC. See enclosed documents for additional information.

You are kindly requested to fill in the relevant parts of IMT.RSPC and return it to the ITU-R Secretariat in electronic form.

Any concerns regarding this liaison should be addressed to the ITU-R Secretariat (Fabio Leite, ITU-R Counsellor).

Attachments: 3 [Documents 8-1/432, 8-1/TEMP/244(Rev.1), 8-1/TEMP/275] (not included)

INTERNATIONAL TELECOMMUNICATION UNION

RADIOCOMMUNICATION STUDY GROUPS

Document 8/109-E
28 October 1999
English only

Director, Radiocommunication Bureau

MEETING BETWEEN ITU AND SDOs ON THE PREPARATION OF RSPC

Enclosed for your consideration is the Report of the meeting between ITU's and SDO's representatives on the preparation of RSPC.

Attachment: 1

ATTACHMENT 1

REPORT OF THE MEETING BETWEEN ITU AND REPRESENTATIVES OF EXTERNAL ORGANIZATIONS IN PREPARATION OF THE TERRESTRIAL COMPONENT OF RECOMMENDATION IMT.RSPC

(Geneva, 20-21 September 1999)

1 Introduction

Following an invitation by ITU, representatives of the ITU Secretariat and external organizations met in ITU headquarters, Geneva on 20 and 21 September 1999 to discuss the process for the timely preparation and maintenance of Recommendation ITU-R [IMT.RSPC]. The list of participants is contained in Annex 1.

Twelve input documents were considered at the meeting. The main results are summarized in section 2.

One of the goals of the meeting was to review and clarify the liaison statement from TG 8/1, Beijing meeting (Document 8-1/TEMP/213).

The ITU Secretariat is invited to submit the conclusions of this meeting to TG 8/1 to guide its work towards the completion of RSPC. This information should also be provided to the radio interface proponents that could not attend this meeting.

2 Summary of discussions

2.1 Timeline for RSPC approval

Following presentation by ITU of the timeline for ITU approval, external organizations have informed ITU about their own requirements and the possibility of meeting the overall schedule. A summary of the conclusions is contained in Annex 2.

2.2 Overview section (extracts from external organizations) (§ 5.X.2 of RSPC)

ITU received five contributions by the 1 September deadline (cdma2000, UTRAN W-CDMA, UWC-136, TD-SCDMA and DECT). WG 5 focused drafting group will consider improving the text found, as well as providing guidance to external organizations. ITU will prepare a composite of these documents (no editing on the outcome of the focused drafting group) and distribute it to TG 8/1 WG 5 members by the end of September. The external organizations submitted their "best and final" contributions by 15 October taking into account the guidelines of the focused drafting group. These will be the formal inputs to the Helsinki meeting.

2.3 Detailed specifications (references to texts of external organizations) (§ 5.X.3 of RSPC)

An example of the structure of this section was discussed, as shown in Annex 4.

The meeting discussed the case of radio interface specifications containing references to text of a third organization. In those cases, the proponent is invited to include in its submission to ITU all relevant information on the legal conditions agreed to for the use of those references.

Attention was drawn to the need for alignment of the IMT-2000 key characteristics (RKEY) with RSPC during the ITU-R TG 8/1 meeting in Helsinki.

Recognizing that all specifications do not have the same structure, it is expected that the length of the synopsis for each component of the specification will vary for different SDOs. The total length of section 5.X.3 for each specification should be comparable.

Participating SDOs provided information on the availability of their standards/deliverables as shown in Annex 3.

The meeting agreed on a contribution document to be submitted to the November meeting of ITU-R Study Group 8 providing background and supporting information on the RSPC development process to facilitate acceptance by the Study Group participants to send draft Recommendation RSPC forward into the ITU-R approval process. As a consequence of this contribution, TG 8/1 may consider reducing the size and content of section 4.2 of RSPC (see Annex 7).

It is recognized, based on legal considerations, that reference shall be made to SDO websites where the approved reference material will reside. The inclusion on the SDO website of a deliverable "road-map" (index) is required.

2.4 Use of Formal Description Techniques (FDT)

The liaison statement from the TG 8/1 Beijing meeting was discussed and there was general agreement that wherever possible the use by proponents of FDT in the specification of the radio baseband processing for IMT-2000 is desirable.

3 Statements of Intent

The meeting agreed in principle with the Statement of Intent contained in Annex 5 covering publication matters on the preparation of Recommendation ITU-R IMT.RSPC.

Annex 6 dealing with legal aspects of the RSPC process was discussed by the meeting and the participants concluded that it may require further study by the respective SDOs.

ANNEX 1

International Mobile Telecommunications-2000 (IMT-2000)

Meeting of ITU's and SDO's representatives

(Geneva, Switzerland - 20 to 21 September 1999)

List of Participants

	Name	E-mail	Organization	SDO
1.	Mr Akio SASAKI	sasaki@arib.or.jp	ARIB	ARIB
2.	Mr Motoi SHIRAISHI	m-shirai@arib.or.jp	ARIB	ARIB
3.	Mr Takanori UTANO	utano@wsp.yrp.nttdocomo.co.jp	NTT Mobile Comms. Network Inc.	ARIB
4.	Mr Nobuhiro HORISAKI	horisaki@ttc.or.jp	TTC	TTC
5.	Mr Masami YABUSAKI	Yabusaki@docomo.fr	DoCoMo Europe	TTC, Japan
6.	Mr Kyu-Jin WEE	kjwee@cc.rrl.go.kr	Radio Research Laboratory	TTA
7.	Mr Myung-Gook JANG	mgjang@www.tta.or.kr	TTA	TTA
8.	Mr Karl Heinz ROSENBROCK	Rosenbrock@etsi.fr	ETSI	ETSI
9.	Mr Adrian SCRASE	scrase@etsi.fr	ETSI	ETSI
10.	Mr Dieter KAISER	dieter.kaiser@icn.siemens.de	Siemens AG	ETSI
11.	Mr Phil DAVIDSON	phil.davidson@bt.com	BT	ETSI
12.	Mr Dan BART	dbart@tia.eia.org	TIA	TIA and Secretariat 3GPP2
13.	Mr John MARINHO	Jmarinho@lucent.com	Lucent Technologies	TIA TR45 Chairperson

14.	Mr Francis E. O'BRIEN, Jr., Ph.D.	feobrien@lucent.com	Lucent Technologies	Vice-Chairperson of TIA TR45.5
15.	Mr Peter NURSE	peter.nurse@sigmadelta.com	Lucent Technologies	TIA TR-45.3
16.	Mr Asok CHATTERJEE	asok.chatterjee@ericsson.com	Ericsson	T1P1
17.	Mr Gary JONES	gjones@omnipoint-corp.com	Omnipoint Corp.	T1P1
18.	Mr Ed EHRLICH	ed.ehrlich@nokia.com	Nokia	T1P1, Chairperson T1P1.5
19.	Mr Leo NIKKARI	leo.nikkari@uwcc.org	UWC Consortium	UWCC
20.	Mr Steven DENNETT	QA1404@email.mot.com	Motorola	Chairperson 3GPP2
21.	Mr Fumio WATANABE	watanabe@kddlabs.co.jp	KDD R&D Laboratories Inc.	WG 5 Vice-Chairperson
22.	Mr Nicola Pio MAGNANI	nicola.magnani@cselt.it	CSELT	WG 5 Vice-Chairperson
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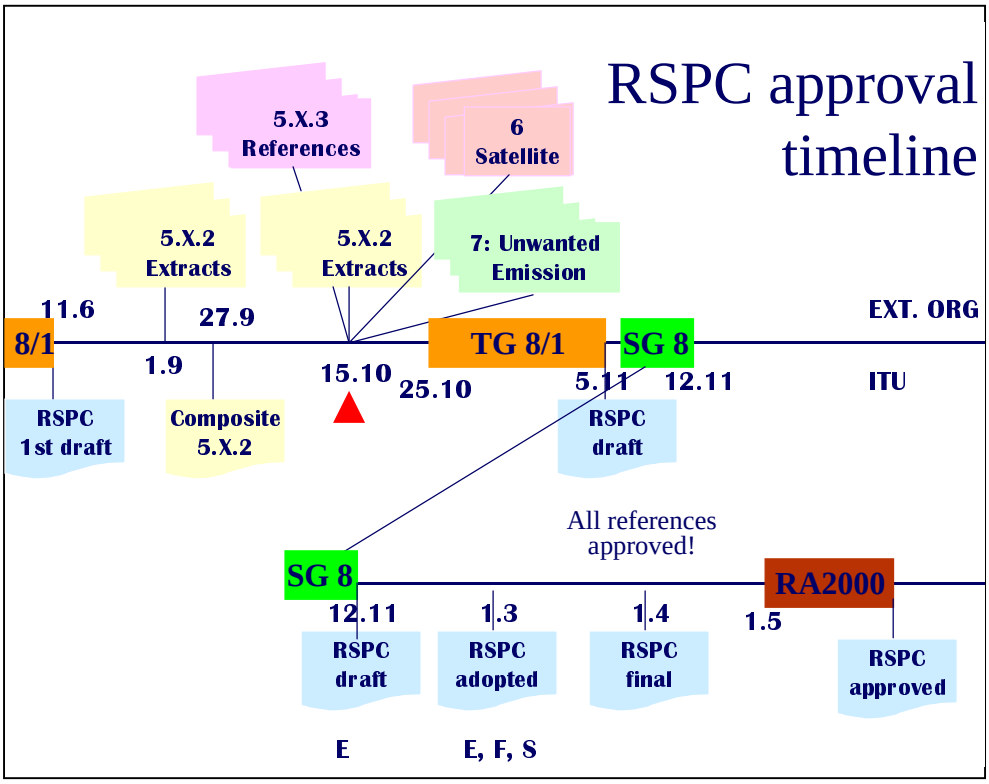
ANNEX 2



The SDOs participating in the meeting have confirmed that they can comply in principle with the requirements contained in the above schedule.

ANNEX 3

Availability of standards/deliverables

1 The 3rd Generation Partnership Projects (3GPPs)

1.1 3GPP

The 3GPP is a collaborative activity between the following recognized Standards Organizations:

ARIB (Japan)
CWTS (China)
ETSI (Europe)
T1 (United States)
TTA (Republic of Korea)
TTC (Japan)

The purpose of 3GPP is to prepare, approve and maintain globally applicable technical specifications and technical reports for a 3rd Generation Mobile System based on the evolved GSM core networks, and the radio access technologies supported by the Partners (i.e., UTRA both FDD and TDD modes), to be transposed by the Organizational Partners into appropriate deliverables (e.g., standards).

3GPP will complete the first set of documents which describe the UTRA air interface in October 1999. A first release of the remaining documents, which describe a full 3GPP system, will be completed in December 1999. The Organizational Partners which form 3GPP will regularly transpose those documents into published deliverables.

1.2 3GPP2

Description

The Partnership Project is not a legal entity but is a collaborative activity, between the following recognized Standards Development Organizations:

ARIB (Japan)
CWTS (China)
TIA (United States)
TTA (Republic of Korea)
TTC (Japan)

The purpose of 3GPP2 is to prepare, approve and maintain globally applicable technical specifications and technical reports for a 3rd Generation Mobile System based on the evolved ANSI-41 Core Networks and the relevant radio access technologies to be transposed by the relevant standardization bodies (Organizational Partners) into appropriate deliverables (e.g., standards).

3GPP2 will complete the first set of documents which describe the cdma2000 air interface in October 1999. A first release of the remaining documents, which describe a full 3GPP2 system, will be completed in December 1999. The Organizational Partners which form 3GPP2 will regularly transpose those documents into published deliverables.

2 Standards Development Organizations

2.1 ARIB

Currently ARIB (Association of Radio Industries and Businesses) standards are available to ARIB members as well as non-members at the defined prices. The standards are published as paper documents. The price is different standard by standard. The price is not different irrespective of member or non-member.

Standards by CD-ROM type or website are not currently available. However, an electronic distribution system will be established soon.

2.2 CWTS

The China Wireless Telecommunication Standard Group (CWTS) is a new non-profit making organization, which has the responsibility to define, produce and maintain Chinese wireless telecommunication standards in China. CWTS was established under the Chinese Standardization Law, with the approval of the Ministry of Information Industry (MII) of China. CWTS is set up with the purpose of promoting and accelerating the wireless telecommunications standardization process in China.

2.3 ETSI

The European Telecommunications Standards Institute (ETSI) is a standards body which is officially recognized by the European Union. The ETSI membership is derived from 35 European countries and 15 countries from other regions.

As an Organizational Partner within 3GPP, ETSI will undertake its obligation to transpose the specifications produced by 3GPP into ETSI deliverables. A fast and efficient transposition process will ensure a minimum delay between the completion of the drafting process within 3GPP and the availability of those results as published ETSI deliverables. The transposition process will take place at regular intervals as and when the 3GPP specifications are modified.

The majority of the 3GPP output documents will be transposed into ETSI Technical Specifications. Those documents which are to be used for regulatory purposes may be transposed in European norms following the established approval procedures.

All deliverables published by ETSI are freely available to everyone when downloaded from the ETSI website at http://www.etsi.org

The deliverables may also be purchased in a conveniently packaged form on a series of CD-ROMs.

2.4 Committee T1

Committee T1 develops standards and technical reports related to, among others, wireless and/or mobile services and systems, including service descriptions and wireless technologies. This committee develops and recommends positions on related subjects under consideration in other North American, regional and international standards bodies. For details see http://www.t1.org/

The 3GPP specifications will be transposed by Committee T1 into deliverables using its established approval process. The T1 website provides a road map of its approval process, and details of how to acquire its deliverables.

Committee T1 informed the meeting that the Alliance for Telecommunications Industry Solutions (ATIS) had sent ITU a letter (dated 6 August 1999) stating that ATIS grants to ITU "the right to use approved 3GPP specifications, including as may be contributed to ITU-T and ITU-R by Committee T1 through the United States Department of State, in connection with ITU-T's and ITU-R's adoption of any Recommendation based upon such 3GPP specification".

2.5 TTA

TTA (Telecommunications Technology Association) is the standards organization for the telecommunication and information technology fields accredited by the Ministry of Communication and Information, Republic of Korea. Participating in both 3GPP and 3GPP2, TTA in conjunction with other SDO Partners participating in 3GPPs will provide ITU-R TG 8/1 a stable document for use as a reference in IMT.RSPC by 15 October 1999.

2.6 TTC

The Telecommunication Technology Committee (TTC) is a private standardization organization to contribute to further activation of the field of telecommunications in Japan.

The 3GPP specifications will be transposed to draft TCC standards by Technical Committee 6 (TC 6) in January/February of the year 2000. The drafts will be submitted to the TTC Technical Assembly for formal approval at the end of March of the year 2000.

All deliverables (e.g., standards) published by TTC can be purchased and are available to everyone. These lists are located on the TTC website at http://www.ttc.or.jp

2.7 TIA

The Telecommunications Industry Association (TIA) is a Standards Development Organization, accredited by the American National Standards Institute. Within the TIA TR45 Engineering Committees, Subcommittees TR-45.3 (TIA TR-45.3) and TR-45.5 (TIA TR-45.5) are responsible for TDMA/UWC-136 and spread spectrum/CDMA digital technologies, respectively.

As indicated in the TR45.3 and TR45.5 letters to ITU-R, 20 July 1999 and 20 August 1999, it is TIA's policy, as evidenced in TIA's Engineering Manual (http://www.tiaonline.org/standards/sfg/engineering manual.html), "International Cooperation and Harmonization", to make available a royalty-free licence available to any accredited SDO (including ITU) which would allow ITU to use text from, or sell and distribute as part of ITU Recommendations, TIA standards documents, subject to the intellectual property rights and other property and contractual rights of third parties and any applicable laws and government regulations.

For IMT-2000, TIA will also make available on a no charge, single-use, single license basis, access via a Uniform Resource Locator (URL) to TIA documents referenced in ITU IMT-2000 Recommendations.

2.7.1 TIA TR-45.3

Subcommittee TR-45.3, Subcommittee of the Telecommunications Industry Association, will provide TG 8/1 a stable reference for the UWC-136 radio interface in M.[IMT.RSPC] on or before 15 October 1999. This material will represent the material for revision B of American National Standard TIA/EIA-136 that is public review. Publication as an American National Standard is scheduled prior to the ITU-R deadline of 1 April 2000.

The TIA TR-45.3 representatives therefore confirmed their liaison of Tuesday, 20 July 1999 which indicated that TIA TR-45.3 will provide TG 8/1 a stable document for use as a reference for UWC-136 in IMT.RSPC. The RSPC approval time line presented by ITU at the 20-21 September 1999 ITU/SDO meeting in Geneva, Switzerland is consistent with the publication plans for TIA/EIA-136. Subcommittee TR-45.3 plans to publish the next revision of American National Standard TIA/EIA-136 (revision B) prior to the ITU-R deadline of 1 April 2000.

2.7.2 TIA TR-45.5

TIA TR-45.5 in conjunction with other 3GPP2 SDO partners will provide TG 8/1 a stable document for use as a reference for the cdma2000 radio interface in IMT.RSPC by 15 October 1999. IS-2000 represents the phase 1 development of the cdma2000 radio interface and has been published by TIA TR45.5. IS-2000 Release A (phase 2) will be submitted for TIA final ballot by December 1999. The standard is scheduled to be published prior to the end of 1Q 2000.

TIA TR-45.5 representatives, therefore, confirmed their liaison of 20 August 1999 which indicated that TIA TR-45.5 will provide TG 8/1 a stable document for use as a reference for cdma2000 in IMT.RSPC. The RSPC approval time line presented by ITU at the 20-21 September 1999 ITU/SDO meeting in Geneva, Switzerland is consistent with the publication plans for cdma2000 (IS-2000). Subcommittee TR-45.5 plans to publish IS-2000(Rev.A) prior to the 1 April 2000 ITU deadline.

3 Other entities

3.1 UWCC

The Universal Wireless Communications Consortium (UWCC) is registered as a Limited Liability Corporation (LLC) in the State of Washington, United States.

The UWCC has a company policy on IPR and copyright release, based on and consistent with ITU and ANSI policy in these areas. All member companies of UWCC have signed commitments to abide by these UWCC policies with regard to any technical specifications or standards, proposals to external groups, and the UWCC defers to, and agrees to abide by, the respective policies of SDOs such as ITU and TIA ANSI.

With regard to the availability and release of any deliverables for IMT-2000 RSPC, these are freely available to ITU and other SDO organizations, and as appropriate defer to both TIA and ETSI to forward the relevant portions of the UWC-136 RSPC to ITU-R.

3.2 ETSI Project DECT

EP DECT is a project established within the ETSI Technical Organization. The output documents from this project are published as ETSI deliverables following established approval procedures. A comprehensive set of ETSI deliverables has already been published by ETSI. EP DECT is currently enhancing the set of deliverables to include additional functions and features.

ANNEX 4

An example of section 5.X.3 of Recommendation RSPC*

5.X.3 Detailed specification of the radio interface

5.X.3.1 25.200-series

The 25.200-series specifies Um point for the 3G mobile system. This series defines the minimum level of specifications required for basic connections in terms of mutual connectivity and compatibility.

25.201 Physical layer - general description

Synopsis:

This specification describes the documents being produced by the 3GPP TSG RAN WG 1 and first complete versions expected to be available by end of 1999. This specification also gives a general description of the physical layer of the UTRA air interface.

		Doc. number	Version	Status	Date issued	Location**	Any IPR issue
Specification[1] SDO1, SDO2, SDO3, SDO4, SDO5		25.201		Approved by XXX. (1999/mm/dd)	1999/mm/dd	http1 http2 http3 http4 http5	
Standard[2]	SDO1						
	SDO2	ARIB STD-xx-yyy		It will be approved by XXX. (2000/mm/dd)	2000/mm/dd	http://www.arib.or.jp/xxxxx201	
	SDO3						
	SDO4						
	SDO5						

[1] Approved technical specification upon which SDO deliverables will be based.

[2] This part will contain technical standards and has to be completed before RA-2000.

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* This example refers to the case where radio interface technical specifications are developed by PPs and transposed to SDOs deliverables. In case a radio interface is developed completely by one SDO, the table would collapse into one single row.

** The relevant SDOs will make their reference material available from their website.

25.211 Physical channels and mapping of transport channels onto physical channels (FDD)

Synopsis:

This specification describes the characteristics of the Layer 1 transport channels and physical channels in the FDD mode of UTRA. The main objectives of the document are to be a part of the full description of the UTRA Layer 1, and to serve as a basis for the drafting of the actual technical specification (TS).

		Doc. number	Version	Status	Date issued	Location	Any IPR issue
Specification[1] SDO1, SDO2, SDO3, SDO4, SDO5		25.211		Approved by XXX. (1999/mm/dd)	1999/mm/dd	http1 http2 http3 http4 http5	
Standard[2]	SDO1						
	SDO2	ARIB STD-xx-yyy		It will be approved by XXX. (2000/mm/dd)	2000/mm/dd	http://www.arib.or.jp/xxxxx211	
	SDO3						
	SDO4						
	SDO5						

[1] Approved technical specification upon which SDO deliverables will be based.

[2] This part will contain technical standards and has to be completed before RA-2000.

25.213 Spreading and modulation (FDD)

Synopsis:

The present document describes spreading and modulation for UTRA Physical Layer FDD mode.

		Doc. number	Version	Status	Date issued	Location	Any IPR issue
Specification[1] SDO1, SDO2, SDO3, SDO4, SDO5		25.213		Approved by XXX. (1999/mm/dd)	1999/mm/dd	http1 http2 http3 http4 http5	
Standard[2]	SDO1						
	SDO2	ARIB STD-xx-yyy		It will be approved by XXX. (2000/mm/dd)	2000/mm/dd	http://www.arib.or.jp/xxxxx213	
	SDO3						
	SDO4						
	SDO5						

[1] Approved technical specification upon which SDO deliverables will be based.

[2] This part will contain technical standards and has to be completed before RA-2000.

5.X.3.2 25.300-series

25.301 Radio interface protocol architecture

Synopsis:

The present document shall provide an overview and overall description of the UE-UTRAN radio interface protocol architecture as agreed within the 3GPP TSG RAN Working Group 2. Details of the radio protocols will be specified in companion documents.

		Doc. number	Version	Status	Date issued	Location	Any IPR issue
Specification[1] SDO1, SDO2, SDO3, SDO4, SDO5		25.301		Approved by XXX. (1999/mm/dd)	1999/mm/dd	http1 http2 http3 http4 http5	
Standard[2]	SDO1						
	SDO2	ARIB STD-xx-yyy		It will be approved by XXX. (2000/mm/dd)	2000/mm/dd	http://www.arib.or.jp/xxxxx301	
	SDO3						
	SDO4						
	SDO5						

[1] Approved technical specification upon which SDO deliverables will be based.

[2] This part will contain technical standards and has to be completed before RA-2000.

25.302 Services provided by the physical layer

Synopsis:

The present document is a technical specification of the services provided by the physical layer of UTRA to upper layers.

		Doc. number	Version	Status	Date issued	Location	Any IPR issue
Specification[1] SDO1, SDO2, SDO3, SDO4, SDO5		25.302		Approved by XXX. (1999/mm/dd)	1999/mm/dd	http1 http2 http3 http4 http5	
Standard[2]	SDO1						
	SDO2	ARIB STD-xx-yyy		It will be approved by XXX. (2000/mm/dd)	2000/mm/dd	http://www.arib.or.jp/xxxxx302	
	SDO3						
	SDO4						
	SDO5						

[1] Approved technical specification upon which SDO deliverables will be based.

[2] This part will contain technical standards and has to be completed before RA-2000.

3.X.3.Y SDO's complete system specification

SDO	Location
SDO1	URL1
SDO2	URL2
SDO3	URL3
SDO4	URL4
SDO5	URL5
SDO6	URL6

ANNEX 5

Statement of Intent
by ITU and representatives of external organizations on publication
of Recommendation ITU-R M.[RSPC]

(ITU Headquarters, Geneva, 20-21 September 1999)

Texts from external organizations

1 Extract from external material, text included within the Recommendation

- The extracted text is subject to the usual process of approval for ITU-R Recommendations.
- *For a given radio interface,* the summary and the major technical parameters should be generic - with *no* explicit reference to particular specifications of external organizations (herein referred to as standards development organizations - SDOs). Where a number of SDOs develop specifications for the same radio interface, these values should be the same in each of the SDO specifications. Changes to this summary and the major technical parameters would need to be approved by ITU-R as a formal revision to the Recommendation - the usual ITU-R process for approval of the revision would apply.

2 Reference to external material, text not included within the Recommendation

- The SDO must be formally recognized by ITU for its specifications to be referenced.
- The tables for the detailed specifications of each radio interface would be updated by ITU-BR on receiving advice from the concerned SDO - such updating would be considered as an editorial activity, i.e., it would *not* be considered a formal revision to the Recommendation and the ITU-R approval process would *not* be applied. The ITU Radiocommunication Assembly should endorse this approach.
- The Recommendation would include the following general note regarding references: *"Any reference to an external document in this Recommendation means that the external document is considered to be part of this Recommendation. However, such a reference does not give the external document the status, as a stand-alone document, of an ITU Recommendation. Any reference to an external document is accurate at the time of approval of this Recommendation. Since the external document may be revised, users of this Recommendation are advised to contact the source of the external document to determine whether the reference is still current. The references were valid at the time of publication.".*

Publication

The general pricing policy for sales of this Recommendation is based on cost recovery.

- **Paper** - ITU will publish and sell the Recommendation on paper in English, French and Spanish. The Recommendation would be re-published whenever ITU-R had approved a formal revision to the Recommendation. The tables of external references would be updated at the time of re-publication.

- **CD-ROM** - this Recommendation would be included in our usual publication of the CD-ROM of all "ITU-R Recommendations in force". This will be published every six months from next year (in March and September). Hyperlinks would be added to the SDO's websites in the tables of external references (such as Table 3 mentioned above). These tables would be updated with each edition of the CD-ROM. The text of the external references would not be included on this CD-ROM.

  In addition, publishing an "IMT-2000" CD-ROM around July 2000, including all of ITU-R and ITU-T Recommendations concerning IMT-2000 (in English, French and Spanish) could be considered. Other relevant ITU-R "information" texts could also be included (e.g., handbooks, etc.).

  The text of the SDO specifications would be included on this CD-ROM, subject to a number of constraints:

  – we could only include texts that were available in time for publication (say, available by 31 May 2000);
  – ITU-R would not perform any editing, reformatting or translation of the texts (consequently, these texts would not necessarily be available in the three working languages);
  – a common file format would need to be adopted (e.g., Adobe Acrobat PDF).

  In order to minimize the cost of the IMT-2000 CD-ROM, thus promoting its widespread distribution, ITU will consider offers for sponsorship.

- **Online** - the Recommendation would be sold in English, French and Spanish through ITU's Online subscription service and the Electronic Bookshop (with links from the publications and IMT-2000 web pages, of course). The tables of external references in the online version of the Recommendation would be updated whenever BR was advised of a change by the concerned SDO. These updated tables would also be provided online separately, free of charge, so that people who had purchased the Recommendation earlier (on paper, CD-ROM or online) would have access to the latest information. A similar approach has been adopted for the Rules of Procedure (see http://www.itu.int/bredh/rop/index.html).

  In the tables of external references, access could be provided to the detailed specifications either on the ITU website or via links to the SDO websites. The SDO would be responsible for maintaining those web addresses and applying their usual arrangements for supply/purchase of online and paper copies of their specifications to customers. The specifications would be supplied in the SDO's usual working language(s) only. Again, it would be desirable to use a common file format. ITU will provide, as usual, both WinWord and PDF formats online. The electronic versions of the SDO's specifications should be made available in at least PDF format.

ANNEX 6

Statement of Intent
by ITU and representatives of external organizations on the legal aspects of the preparation of Recommendation ITU-R M.[IMT.RSPC]

(ITU headquarters, Geneva, 20-21 September 1999)

1 Scope

This Agreement shall apply to radio interfaces to provide relevant information on Recommendation ITU-R M.[IMT.RSPC] and for information and action from Recognized Organizations necessary for completion, approval and publication of ITU-R M.[IMT.RSPC]. It shall apply in cases where text from Recognized Organizations is incorporated or referred to in an ITU-R Recommendation.

2 Recognized Organizations

This Agreement shall be open to participation by any recognized standards development organizations (the "Recognized Organizations") that has legal capacity, a permanent secretariat, a designated representative, and open, fair and well-documented working methods.

3 Input

The Recognized Organizations shall make the necessary documents or text, including any revisions, available to ITU-R for incorporation or reference in ITU-R Recommendations on the following basis:

– the document or text should not contain any proprietary restrictions;

– the document or text should indicate the source within the Recognized Organizations;

– the document or text should indicate the degree of its stability (preliminary, mature, stable, date of approval or adoption);

– the document or letter of transmittal shall clearly identify and designate the document text and the degree of its approval;

– the Intellectual Property ("IPR") conditions upon which the document or text was adopted shall be clearly identified and in accordance with ITU-R patent policy, the Recognized Organizations shall supply ITU-R with copies of IPR statements; and

– ITU-R and its Study Group members shall have the right to reproduce and distribute the text or document freely to determine whether to incorporate or refer to it in an ITU-R Recommendation.

4 Output

The final output shall be an ITU-R Recommendation and shall follow the ITU-R adoption and approval procedures.

The final output in the form of an ITU-R Recommendation may contain:

– text developed and originated by ITU-R;

– extracts of text supplied by Recognized Organizations that are incorporated in the text of an ITU-R Recommendation; or

– references only to texts supplied by Recognized Organizations.

5 Copyright

1) ITU shall hold copyright in the entire ITU-R Recommendation. The Recognized Organization shall retain copyright in any text that it originates and that is incorporated or referenced in an ITU-R Recommendation.

2) The Recognized Organization shall grant to ITU a licence to use the text and documents it provides to ITU-R on the following basis:

   a) Where text supplied by an Recognized Organization is extracted and incorporated in an ITU-R Recommendation, the Recognized Organization shall grant ITU a global, non-exclusive, permanent and non-revocable licence, free of charge, to reproduce, sell and distribute the text as part of ITU-R Recommendation, by any print or electronic means, in any of the six (6) official languages of ITU.

   b) Where text supplied by an Recognized Organization is referenced in an ITU-R Recommendation, the Recognized Organization shall grant ITU a global, non-exclusive, permanent and non-revocable licence, free of charge, to reproduce, sell and distribute the text as an ITU publication, by any print or electronic means, in any of the six (6) official languages of ITU.

6 Maintenance

The Recognized Organization shall notify ITU-R in a timely manner of any revisions to documents or texts previously provided to ITU-R and which have been incorporated or referenced in an ITU-R Recommendation. The Recognized Organizations shall provide the document or text to ITU-R in a PDF version.

ANNEX 7

(See Document 8/106.)

INTERNATIONAL TELECOMMUNICATION UNION

RADIOCOMMUNICATION STUDY GROUPS

Delayed Contribution
Document 8/110-E
1 November 1999
Original: English only

Source: Document 8-1/TEMP/244(Rev.1)

Task Group 8/1

NOTE TO STUDY GROUP 8 REGARDING

RECOMMENDATION ITU-R M.[IMT.RSPC]

The ITU has played a critical role in the development of wireless communication standards that are responsive to the needs of the end users and operators, notably IMT-2000. To meet the timely needs of the end users and provide complete system specifications in the timeframe noted in ITU-R Circular Letter 8/LCCE/47, TG 8/1 has followed the most efficient process possible in the development of the Recommendation ITU-R [IMT.RSPC] which provides such specifications for the terrestrial and satellite components of IMT-2000.

Regarding the IMT-2000 Terrestrial Radio Interfaces

In order to complete the work on time, the development process and schedule of IMT.RSPC for the terrestrial radio interfaces included the use of references to material developed by bodies external to the ITU rather than incorporating large amounts of material from those organizations. The external organizations have developed their materials in compliance with the timeline established in ITU-R Circular Letter 8/LCCE/47.

Following an invitation by the ITU, representatives of the ITU Secretariat and external organizations met in ITU Headquarters, Geneva on 20 and 21 September 1999 and finalized the process and business arrangements necessary for the completion, publication, and maintenance of Recommendation ITU-R [IMT.RSPC] utilizing references to external material.

As a result of that meeting, the requirements for ensuring the integrity of the Recommendation process have been satisfied. In particular, with regard to Recommendation ITU-R [IMT.RSPC] this included arrangements that provide for a mutual understanding of timelines for receipt of materials while respecting the individual organization procedures and processes. Where references are stated within Recommendation ITU-R [IMT.RSPC], the external recognized organization* (Standards Development Organization) is clearly indicated and incorporation of material by the external recognized organization is subject to the legal arrangements previously discussed in the 20-21 September meeting. Annexes 5 and 6 of Document 8/109 provide detailed information on the agreements to be put into place, as concluded at the 20-21 September meeting.

* A "recognised organization" in this context is defined to be a recognized standards development organization that has legal capacity, a permanent secretariat, a designated representative, and open, fair and well-documented working methods.

Task Group 8/1 has completed Recommendation ITU-R [IMT.RSPC] in line with these agreements, at the 18th and final meeting of TG 8/1 in Helsinki, and is confident that these agreed processes will enable the completion of the activities of Circular Letter 8/LCCE/47.

Given the above it is considered that:

a) the current ITU time schedule shown in Document 8-1/106 for IMT-2000 can be maintained;

b) the ITU and external recognized organizations can complete their necessary actions to put into place the appropriate agreements outlined in the statements of intent by April 2000 before the ITU Radiocommunication Assembly in May 2000;

c) the external recognized organizations can complete the transposition (conversion of the core specifications into their own deliverables), where appropriate, and any public enquiry and publication processes by April 2000 before the ITU Radiocommunication Assembly in May 2000.

Regarding the IMT-2000 Satellite Radio Interfaces

The definition and specifications for the satellite radio interfaces for IMT-2000 are fully incorporated within Recommendation ITU-R [IMT.RSPC] in total compliance with current ITU-R procedures.

Recommendations

1 Study Group 8 is urged to move Recommendation ITU-R [IMT.RSPC] forward in the Resolution ITU-R 1-2 Section 10.2.2 process with the purpose to have it finalized by the Radiocommunication Assembly in May 2000.

2 Study Group 8 should invite the Director of the Radiocommunication Bureau to pursue discussions with the external responsible organizations to implement the agreements called for in the statements of intent with the direction that the agreements must be in place by April 2000 before the Radiocommunication Assembly in May 2000. The Director of the Radiocommunication Bureau should be invited to inform the ITU-R membership on the progress of these discussions.

3 Study Group 8 is urged to consider Document 8/88 *"Maintenance of Text and Future Development of IMT-2000"* to ensure timely maintenance of text in Recommendation ITU-R [IMT.RSPC].

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