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REPORT OF THE MEETING BETWEEN THE 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 the 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 the ITU about their own requirements and the possibility to meet 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):

The ITU has received 5 contributions by the 1 September deadline (cdma2000, UTRAN W-CDMA,
UWC-136, TD-SCDMA and DECT). The WG 5 focused drafting group will consider improving
the text found, as well as providing guidance to external organizations. The ITU will prepare a
composite of these documents (no editing on the outcome of the focused drafting group) and
distribute to TG 8/1 WG 5 members by the end of September. The external organizations submit
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 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 can 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 SG participants to send the draft Recommendation RSPC froward 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 Web sites where the approved reference material will reside. The inclusion on the SDO Web Site of a deliverable "road-map" (index) is required.

2.4 Use of Formal Description Techniques (FDT)

The liaison statement from 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 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
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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
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9.	Mr. Adrian SCRASE	scrase@etsi.fr	ETSI	ETSI
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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 Chair
14.	Mr. Francis E. O'BRIEN, Jr., Ph.D.	feobrien@lucent.com	Lucent Technologies	Vice-Chair 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
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19.	Mr. Leo NIKKARI	leo.nikkari@uwcc.org	UWC Consortium	UWCC
20.	Mr. Steven DENNETT	QA1404@email.mot.com	Motorola	Chair 3GPP2
21.	Mr. Fumio WATANABE	watanabe@kddlabs.co.jp	KDD R&D Laboratories Inc.	WG5 Vice-Chair
22.	Mr. Nicola Pio MAGNANI	nicola.magnani@cselt.it	CSELT	WG5 Vice-Chair
23.	Mrs. Shila HEERALALL	shila@lucent.com	Lucent Technologies	
24.	Mr. Stuart COOKE	stuart.cooke@nokia.com	Nokia	
25.	Mr. Hakan OHLSEN	hakan.ohlsen@lme.ericsson.se	Ericsson	
26.	Mr. Arthur LEVIN	arthur.levin@itu.int	ITU	ITU-SG
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31.	Mr. Lorenzo CASADO	lorenzo.casado@itu.int	ITU	ITU-R
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ANNEX 2
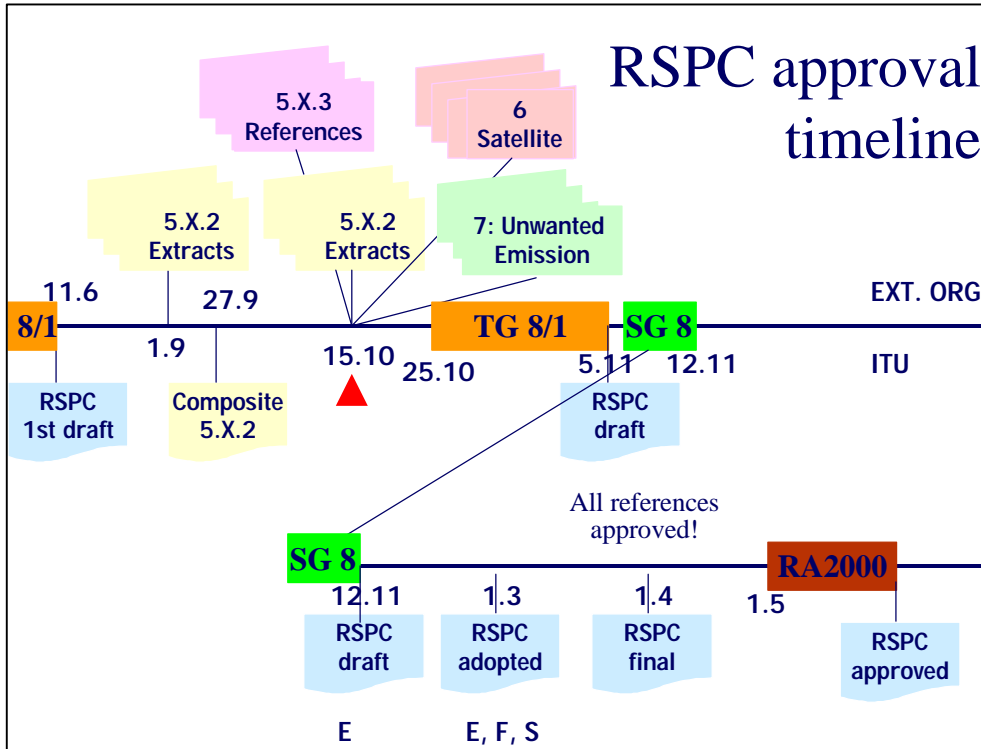
The SDOs participating at the meeting have confirmed that they can comply in principle with requirements contained in the above schedule.

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   (USA)
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 during 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   (USA)
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 during 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 by 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 in spite of member or non-member.

So currently standards by CD-ROM type or Web site are not 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 an 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 purposed 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 web site 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 web site 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 the ITU a letter (dated 6 August 1999) stating that ATIS grants to the ITU "the right to use approved 3GPP specifications, including as may be contributed to the ITU-T and ITU-R by Committee T1 through the United States Department of State, in connection with the 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 standard organization for the telecommunication and information technology fields accredited by 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 October 15, 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 considered by TTC Technical Committee 6 (TC 6) at first. The outcome of TC 6 consideration will be submitted to TTC Technical Assembly for the formal approval in TTC. This process will be finalized at the end of March of year 2000.

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

2.7   TIA

The Telecommunications Industry Association (TIA) is a Standard Development Organization, accredited by the American National Standards Institute. Subcommittee TR-45.3 (TIA TR-45.3) is rsponsible for TDMA digital technologies.

As indicated in the TR45.3 and TR45.5 letters to ITU-R, July 20, 1999 and August 20, 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 license available to any accredited SDO (including the ITU) which would allow the 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 October 15, 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 April 1, 2000.

The TIA TR-45.3 representative therefore confirmed their liaison of Tuesday, July 20, 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 the ITU at the September 20-21, 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 April 1, 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 October 15, 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 August 20, 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 the ITU at the September 20-21, 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 April 1, 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 USA.

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 like ITU and TIA ANSI.

With regard to the availability and release of any deliverables for IMT-2000 RSPC, we make these 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   Detail 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 gives also general description of the physical layer of the UTRA air interface.

		Doc. Number	Version	Status	Issued Date	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	

_____

[*] 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 Web site.

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

[2] This part will contain technical Standards and has to be completed before RA2000.

	SDO3						
	SDO4						
	SDO5						

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 physicals 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	Issued Date	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]	SDO 1						
	SDO 2	ARIB STD-xx-yyy		It will be approved by XXX. (2000/mm/dd)	2000/mm/dd	http://www.arib.or.jp/xxxxx211	
	SDO 3						
	SDO 4						
	SDO 5						

25.213 Spreading and modulation (FDD)

Synopsis:

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

		Doc. Number	Vers ion	Status	Issued Date	Location	Any IPR issu e
Specification 1 SDO1, SDO2, SDO3, SDO4, SDO5		25.213		Approved by XXX. (1999/mm/dd)	1999/mm/d d	http1 http2 http3 http4 http5	
Stan dard 2	SDO1						
	SDO2	ARIB STD-xx-yyy		It will be approved by XXX. (2000/mm/ dd)	2000/mm/d d	http://www .arib.or.jp/ xxxxx213	
	SDO3						
	SDO4						
	SDO5						

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	Ver sion	Status	Issued Date	Location	Any IPR issu e
Specificatio n[1] SDO1, SDO2, SDO3, SDO4, SDO5		25.301		Approved by XXX. (1999/mm/dd)	1999/mm/ dd	http1 http2 http3 http4 http5	
Stan dard [2]	SDO 1						
	SDO 2	ARIB STD-xx-yyy		It will be approved by XXX. (2000/mm/ dd)	2000/mm/ dd	http://www .arib.or.jp/ xxxxx301	
	SDO 3						
	SDO 4						
	SDO 5						

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	Ver sion	Status	Issued Date	Location	Any IPR issu e
Specificatio n[1] SDO1, SDO2, SDO3, SDO4, SDO5	25.302		Approved by XXX. (1999/mm/dd)	1999/mm/ dd	http1 http2 http3 http4 http5	

Stan dard 2	SDO 1						
	SDO 2	ARIB STD-xx-yyy		It will be approved by XXX. (2000/mm/dd)	2000/mm/dd	http://www.arib.or.jp/xxxxx302	
	SDO 3						
	SDO 4						
	SDO 5						

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 Recs.

- *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 (hereon 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 the 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 the ITU for its specifications to be referenced.

- The tables for the detailed specifications of each radio interface would be updated by the 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 as 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 web sites 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, it could be considered publishing an "IMT-2000" CD-ROM around July 2000, including all of the ITU-R and ITU-T Recommendations concerning IMT-2000 (in English, French and Spanish). 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, re-formatting 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, the ITU will consider offers for sponsorship.

- **Online** - the Recommendation would be sold in English, French and Spanish through the 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 web site or via links to the SDO web sites. 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 the 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 the ITU-R with copies of IPR statements, and

-        the 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 the ITU-R;

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

- references only to texts supplied by Recognized Organizations.

5.   Copyright

1.   The 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 the ITU a license to use the text and documents it provides to the ITU-R on the following basis:

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6.   Maintenance

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

ANNEX 7

DRAFT #1

Director, Radiocommunication Bureau[*]

THE ITU, GLOBAL PARTNERSHIP AND SDO SPECIFICATION
DEVELOPMENT PROCESS

Summary

This document provides information on the global standardisation development schedule. In
particular it shows the following:

–   ITU-R Process, i.e., the approval and publication of IMT.RSPC and IMT.RKEY through
         the finalisation of these by Task Group 8/1, consideration and anticipated approval by
         correspondence by Study Group 8 and then finally the anticipated approval by the
         Radiocommunications Assembly in May 2000.

–   Global Partnerships Process, i.e., the development of these specifications is almost
         complete and that they are now stable and under a change control procedure and are due to
         be completed by December 99.

–   That the Standards Development Organisations all are due to approve and publish the first
         release of the specifications before the Radiocommunication Assembly in 2000.

1   Introduction

The first phase of IMT-2000 is well on its way to being successfully realised within the ITU-R with
the completion of the draft new Recommendation on Key Characteristics of the IMT-2000 Radio
Interface(s) at the 16th meeting of Task Group 8/1 in Brazil, and the [completion of the IMT-2000
Radio Interfaces Recommendation (IMT.RSPC) at the 18th meeting of Task Group 8/1 in Helsinki.]
It is anticipated that these will be considered by Study Group 8 at this meeting and the
Radiocommunication Assembly in 2000.   This will complete the first phase of IMT-2000, offering
mobile data rates at up to 2 Mbit/s.

It should be recognised that IMT-2000 is a global development activity, with the ITU providing the
overall framework and requirements, in collaboration with the global partnerships and standards
development organisations that are developing the detailed specifications.

Licensing of terrestrial IMT-2000 is now beginning to take place, in particular within Europe and
Japan, and it is now essential that these IMT-2000 Recommendations are approved by the

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[*] This contribution was prepared in consultation with Standards Development Organizations
    participating in RSPC development process.

Radiocommunication Assembly in May 2000 in order to meet the global development time schedule.

This document shows how the ITU, global partnerships and standards development organisations have complementary time schedules, and with some flexibility by all parties, and the use of referencing where appropriate, the global time schedule can be achieved.

2   The IMT-2000 Terrestrial Radio Interfaces

The IMT-2000 Radio Interface proponents, as detailed in IMT.RSPC, are as follows:

–   CWTS (TDSCDMA IMT-2000 CDMA TDD)

–   EP (ETSI Project) DECT (DECT)

–   UWCC (UWC-136)

–   3GPP (UMTS WCDMA / TDCDMA or IMT-2000 CDMA FDD DS and TDD). This a global partnership consisting of the following organisational partners, ARIB, ETSI, etc.

   –3GPP2 (cdma2000 or IMT-2000 CDMA FDD MC). This a global partnership consisting of the following organisational partners, ARIB, etc.

The names for the IMT-2000 radio interfaces above are not definitive and may be subject to change at the 18th meeting of TG 8/1.

3   The ITU Process

3.1   Task Group 8/1 (Helsinki, 25 October – 5 November 1999)

Draft new Recommendation on Key Characteristics of the IMT-2000 Radio Interface(s) (IMT.RKEY) and draft new Recommendation on the IMT-2000 Radio Interfaces Recommendation (IMT RSPC) are completed. These are sent to Study Group 8.

3.2   Study Group 8 (Geneva, 10-12 November 1999)

Considers IMT.RKEY and IMT.RSPC. It is anticipated that these will be sent for approval by correspondence as follows:

–   ITU-R Secretariat arranges for translation of IMT.RKEY and IMT.RSPC into French and Spanish, as well as the existing English version.

–   As soon as these are available, provisionally anticipated [December 99], then the three months approval by correspondence procedure commences.

–   Given that there are no unfavourable comments, then it is provisionally anticipated that these by be approved to be sent to the Radiocommunication Assembly by [March 2000].

3.3   Radiocommunication Assembly (Istanbul, 1-5 May 2000)

It is anticipated that IMT.RKEY and IMT.RSPC will be considered and approved. The ITU secretariat will then publish these, anticipated by the third quarter of 2000.

4   TD-SCDMA (CWTS)

[To be completed]

5   DECT (ETSI PROJECT DECT)

[To be completed]

6   UWC-136 (UWCC)

The UWCC is the global organization representing the ANSI-136 version of TDMA technology and is the proponent of the UWC-136 RSPC proposal for IMT-2000. It currently works both closely ANSI TIA and ETSI to develop all aspects of the UWC-136 specification, and will develop and stabilize all specifications and references required by ITU-R for approval as a viable IMT-2000 technical option in conjunction with the current IMT-2000 RSPC timeline and respective TIA and ETSI SDO procedures.

The Telecommunication Industry Association is a Standards development organization accredited by the American National Standards Institute.

7   UTRAN W-CDMA (3GPP)

3GPP

3GPP membership consists of different categories - Standards Development Organizations, Market Representation Partners, and Individual Members.

The six Standards Development Organizations are:

1. The Association of Radio Industries and Businesses (ARIB) was chartered by the Minister of Posts and Telecommunications, Japan, as a public service corporation on 15 May 1995. ARIB has about 300 members including both Japanese firms and overseas firms. For details see http://www.arib.or.jp/

2. China Wireless Telecommunication Standard (CWTS) is the Standard Development Organization (SDO) responsible for wireless standardization in China as approved by the Ministry of Information Industry (MII). For more details see http://www.cwts.org/

3. ETSI unites nearly 700 members from 50 countries, representing administrations, network operators, manufacturers, service providers and users. It plays a major role in developing a wide range of standards and other technical documentation as Europe's contribution to world-wide standardization in Telecommunications and Information Technology. For details see http://www.etsi.org/

4. 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/

5. TTA is the SDO authorized by the Ministry of Information and Communication for standardization activities in Republic of Korea and represents 150 members. For details see http://www.tta.or.kr/

6. The purpose of TTC, Japan is to contribute to standardization in the field of telecommunications

by establishing protocols and standards for connection between telecommunications networks, terminal equipment and a telecommunications network, etc, as well as to disseminate those standards. It has 160 members. For details see http://www.ttc.or.jp/

The three Market Representations Partners are:

1.   The GSM Association represents 347 members which is comprised of GSM Network Operators and Regulators with more than 165 million GSM subscribers in 133 countries world-wide. For details see http://www.gsmworld.com/

2. The Global Mobile Suppliers Association (GSA) has a cross industry representation world-wide of GSM infrastructure, terminals, customer care, billing suppliers. For details see http://www.gsassociation.org/

3. UMTS Forum represents 182 members from over 30 countries representing operators, regulators, manufacturers, IT and contents providers.

For details see http://www.umts-forum.org/

8.   cdma2000 (3GPP2)

3GPP2

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

ARIB   Association of Radio Industries and Businesses (Japan)
CWTS   China Wireless Telecommunication Standard Group (China)
TIA   Telecommunications Industry Association (US)
TTA   Telecommunications Technology Association (Republic of Korea)
TTC   The Telecommunication Technology Committee (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 during 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.

9   Referencing

As described in Section 1 the IMT-2000 Radio Interface Specifications are being developed in collaboration between the ITU and the global partnerships and regional standards development organisations.   The ITU is providing the global and overall framework and requirements while the detailed standardisation is being undertaken within the 3GPPs and SDOs.

IMT.RSPC has been drafted in such as way as to recognise this and allow the global standardisation timescales to be maintained. The main body of IMT.RSPC has been developed by ITU-R Task Group 8/1 and references have been included within each radio interface each sub section pointing to the location/reference of the detailed information. These sub-sections have been developed by both TG 8/1 and the 3GPPs/SDOs. Through the use of referencing this has enabled IMT.RSPC to

be completed by ITU-R, the change control procedures, transposition and public enquiry procedures to be undertaken within the 3GPPs/SDOs without changing the text of IMT.RSPC. This enables the global time scales to be maintained.

10   Proposal

Given the above it is proposed that:

a)   the current ITU Time schedule as described in Section 3 should be maintained;

b)   through the use of referencing it is possible to allow SG 8 to send IMT.RKEY and IMT.RSPC for approval by correspondence;

c)   the Standards Development Organisations (SDOs) complete the transposition, where appropriate, public enquiry and publication process by April 2000 before the ITU Radiocommunication Assembly in May 2000.

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