#### ITU-D CONFERENCE (November 14-16, 2000, Kiev, Ukraina)

# THE NEW ITU-R STUDY GROUP 6 ON BROADCASTING SERVICES

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**DECISIONS OF THE ITU** RADIOCOMMUNICATION **ASSEMBLY RA-2000** New Associate Membership Alternative Approval Procedure for **Recommendations not having** regulatory implications

New forms of cooperation with recognized Standard Setting Organizations DECISIONS OF THE ITU RADIOCOMMUNICATION ASSEMBLY RA-2000

Merge SG10 (sound) and SG11 (television) establishing ITU-R Study Group 6 (broadcasting)

Define scope of new Study Group 6
 Appoint Chairman and Vice-chairmen

1-SCOPE OF STUDY GROUP 6 (BROADCASTING SERVICES) (Resolution 1-3, RA-2000)

Radiocommunication broadcasting (terrestrial and satellite), including vision, sound, multimedia and data services intended for delivery to the general public.

#### 2-SCOPE OF STUDY GROUP 6 (BROADCASTING SERVICES)

#### (Resolution 1-3, RA-2000)

Broadcasting makes use of point-to-everywhere information delivery to widely available consumer receivers. When return channel capacity is required (e.g. for access control, interactivity, etc.), broadcasting typically uses an asymmetrical distribution infrastructure that allows high capacity information delivery to the public with lower capacity return link to the service provider. The production and distribution of programs (vision, sound multimedia, data, etc.) may employ contribution circuits among studios, information gathering circuits (ENG, SNG, etc.), primary distribution to delivery nodes, and secondary distribution to consumers.

**3-SCOPE OF STUDY GROUP 6** (BROADCASTING SERVICES) (Resolution 1-3, RA-2000) "The Study Group, recognizing that radiocommunication broadcasting extends from the production of programmes to their delivery to the general public, as detailed above, studies those aspects related to production and radiocommunication. including the international exchange of programs as well as the overall quality of service.

## A NEW ORGANIZATION FOR A NEW STUDY GROUP

- A Study Group has the authority to set up ANY Working Party and/or Task Group which is deemed necessary to perform its mandate.
- The Chairman of the Study Group is the *responsible* vis-a-vis the Radiocommunication Assembly.

#### WHY A NEW STRUCTURE

Match the scope of the SG as defined by RA-2000
Enhance ITU role in dealing with broadcasting
Encourage participation in Study Group activities

### **OBJECTIVES OF A NEW STRUCTURE** (As agreed by the Steering Committee of SG6)

The ITU-R should re-confirm its role as <u>global</u> b.c. standard setting body

The ITU-R Recommendations should have an <u>added value</u> vis-avis the proposals (no rubber stamp)

## CRITERIA TO DEFINE A NEW STRUCTURE

(As agreed by the Steering Committee of SG6)

MINIMUM NUMBER of Working Parties (clearly defined competence areas, no overlap)

CLOSER COOPERATION with other organizations

STRUCTURE not to be soon OBSOLETE
 SMOOTH TRANSITION from present

### DEFINITION OF A BROADCASTING MODEL

 Keeping in mind the scope indicated by RA-2000, it is possible to define a BROADCASTING MODEL using the ISO layered approach which includes the various areas of study

The model can be used to identify a suitable STRUCTURE for the new Study Group



PRE-REQUIREMENTS FOR A NEW STRUCTURE

Define clearly the ROLE of the WPs vs. TG's
 Define clearly the WORKING

PROCEDURES in the framework of Resolution ITU-R 1-3

### THE PRESENT (INTERIM) STRUCTURE

Although necessary to ease merger, present Interim structure is far from optimal, due to: ♦ WPs mandate not precisely defined to make each WP responsible for <u>only one</u> system aspect (no overlap) receiver interoperability aspects not included interactivity not clearly addressed vser requirements not set up by independent group



HOW TO DEFINE **WORKING PROCEDURES Re-state role of WPs vs. TGs** - Add an ITU value to Recommendation Careful (re)draft and assign Questions: Umbrella Questions to WPs Urgent Questions to TGs Clearly specify deliverable, time frame, available resources, etc.

#### WHAT NEW STRUCTURE

 Study Group 6 at its first meeting envisaged an HORIZONTAL STRUCTURE, based on the broadcasting model, where:
 each WP should in principle be responsible for <u>only one</u> system aspect
 exceptions admitted for "terrestrial" and "satellite" delivery and "recording"

The FINAL ST Production	<b>FRUCTURE a</b> Prog.Assbly	currently envisaged by SG6 Delivery/Reception		
WP 6P	<b>WP 6A</b>	WP6E	WP6S	
-Content acq.	-Analog/Dig.	(Terrest.)	(Satell.)	
characterist.	Mux/Demux	-Sys. Charact.	, , , , ,	
-Analog/Digt	-Access Ctrl.	-Chan.cod./decod	-Chan.cod./decod.	
representat.	-Service Info	-Mod/Demodulat	-Mod/Demodulat.	
- Requir.for	- Distrb.Intrf	-Freq. Planning an	-Freq. Planning and Sharing	
source cod.	-Coding for	-Rx-Tx Antennas	-Rx-Tx Antennas & service areas	
in Product.	prod.,prim.	-Tx&Rx perform.	-Tx&Rx perform. requirem.	
and Contr.	distr,contrb.	- Emiss. source coding requirem.		
(ENG,SNG)	emission			
-Interfaces	-Requir. for			
for Product.	prim/sec distr			
WP 6R	<b>WP 6M</b>	WP 6Q	SG-AHG	
-Recording	-Interactivity	-Subjec.assess.	USER	
-Arciv,Films	-Multimedia	-Quality Meas.	<b>REOUIR.</b>	
-Prog. Exchg.	-Webcas.Intrf	-Service Qlty.	REQUIN.	

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 As invited by RA-2000, SG6 and its Chairman (assisted by a Steering Board) should:
 Define new organization
 Review all assigned Questions
 Present final conclusions to next RA (including review of number of SG VCs)

After approval of Final Structure (I.e. WPs and their competence), SG6 will:
Draft new or revised Questions (for approval by correspondence) to match the new Structure

 Migrate gradually from existing WPs to the newly established as soon as relevant Questions have been approved

Draft new or revised Questions (for approval by correspondence) to match the new Structure:

An Ad-Hoc Group has been established with relevant WP Chairmen to draft new or modified Questions within the mandate of each WP in accordance with the model and approved structure.

Migrate gradually from existing WPs to the newly established as soon as relevant Questions have been approved: • Existing WPs should prepare for transition. Due to the carefully selected final structure, such a transition should not dramatically upset their present attributions

#### WHAT MANAGEMENT TEAM

#### Appointed SG6 Chairman and Vice-Chairmen:

- Chairman: Mr.A.Magenta (Italy)
- Vice-Chairman: Mr.H.Kussmann (Germany)
- Vice-Chairman: Mr.L.Olson (USA)
- Vice-Chairman: Mr.J. Kumada (Japan)
- Vice-Chairman: Mr.S.Glotov (Ukraina)
- Vice-Chairman: Mr.K.M.Paul (India)
- Vice-Chairman: Mr.J.A..Flaherty (NABA)
- Vice-Chairman: Mr.V.Stepanian (ABU)
- Vice-Chairman: Mr.R.Najm (ASBU)
- **Prof.M.I. Krivocheev is appointed Honorary Chairman**

### ROLE AND TASKS OF SG6 VICE-CHAIRMEN

- Reflect interest of members and specific regional broadcasting interests
- Identify emerging areas of strategic interest to SG
- Prioritize emerging or existing studies taking into account SG6 members priorities
- Highlight subjects on which support to developing countries is needed
- Consider consistence of new/revised Recommendations with ITU Resolutions

## AREAS OF COMPETENCE OF SG6 VICE-CHAIRMEN

Needs of broadcasters worldwide, Tropical Zone b.c., Production, Service Quality, Digital Coding, Interactivity and Multimedia:

- ♦ Mr.J. Kumada (Japan)
- Mr.J.A..Flaherty (NABA)
- ♦ Mr.V.Stepanian (ABU)

Terrestrial and satellite emission, Frequency Planning, Tropical Zone b.c.:

- Mr.H.Kussmann (Germany)
- Mr.L.Olson (USA)
- Mr.S.Glotov (Ukraina)
- Mr.K.M.Paul (India)
- Mr.R.Najm (ASBU)

## COOPERATION OF SG6 WITH STANDARD SETTING BODIES

Agreements are being concluded with
 SMPTE

to become ITU-R Sector member, reference in ITU Recommendations

♦ IEEE

reference in ITU Recommendatios

♦IEC

to set up joint expert groups, issue of joint Recs.

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THANK YOU