

**International Amateur Radio Union – Region 1**  
**Report of the Regional Conference held in San Marino,**  
**10<sup>th</sup>-15<sup>th</sup> November 2002**

This Report has been compiled from the documents of the Conference held in San Marino, 2002, in order to provide a convenient reference to the recommendations and decisions of the Conference.

It is hoped that those responsible for the actions required following the Conference will find the Report of assistance in this work.

**INTRODUCTION**

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## **Introduction**

The nineteenth triennial Conference of the IARU Region 1 took place from 10-15 November, 2002 at Casa San Giuseppe Hotel, Republic of San Marino. Previous Conferences had been held in Paris (1950), Lausanne (1953), Stresa (1956), Bad Godesberg (1958), Folkestone (1960), Malmö (1963), Opatija (1966), Brussels (1969), Scheveningen (1972), Warsaw (1975), Miskolc-Tapolca (1978), Brighton (1981), Cefalu (1984), Noorwijkerhout (1987), Torremolinos (1990), De-Haan (1993), Tel-Aviv (1996), Lillehammer (1999).

In 2002, thirty-nine Member Societies attended and 4 were represented by proxy. Those present were:

AARA, ARAS, ARI, ARABIH, ARM, ARSK, ARISM, BFRA, BFRR, CARS, CRAM, CRC, DARC, EDR, ERAU, FRA, IARC, IRTS, LRAL, LRMD, MRASZ, NRRL, OeVSV, PZK, RAL, REF, RSGB, RSM, SARA, SRJ, SRAL, SRR, SSA, UBA, URA, URE, USKA, VERON, ZRS.

The Societies represented by proxy were:

URAL HELD BY DARC  
SRJ HELD BY RSM  
MARS HELD BY ARSK  
ROARS HELD BY RAL

The Conference was honoured by the presence of Mr Robert Jones, Head of the Radiocommunication Bureau at the International Telecommunication Union. He spoke at the Opening Plenary and formally opened the Conference.

IARU Region 1 was pleased to welcome visitors from outside the Region.

## LIST OF PARTICIPANTS

<b>Executive Committee</b>	Louis v.d.Nadort, PA0LOU, Chairman Mustafa Diop, 6W1KI, Vice Chairman R.J “Tim” Hughes, G3GVV, Secretary Elisee Bismuth, F6DRV, Treasurer A.Razak A.Al-Shahwarzi, A41JT, Member Karl Voegele, DK9HU, Member Ole Garpestad, LA2RR, Member Wojciech Nietyksza, SP5FM, Member & Chairman ERC
<b>Committee C4 and C5</b>	Carine Ramon, ON7LX Arie Dogterom, PA0EZ
<b>IARU</b>	Larry Price, W4RA, President David Wardlaw, VK3ADW, Vice-President Dave Sumner, K1ZZ, Secretary
<b>Guests of Honour</b>	Mr Robert Jones (ITU)
<b>Representatives</b>	John Bazley, G3HCT (RRWG) Gaston Bertels, ON4WF (EURO-COM) Ron Roden, G4GKO (IARU-MS) Christian Verholt, ON7CY (EMC) Laszlo Weisz, HA3NU (HST) Martin Harrison, G3USF (IBP) Hans Welens, ON6WQ (STARS) Rainer Floesser, DL9NBZ (ARDF)
<b>Office Staff</b>	Audrey Jefcoate (R1 Office Manager)
<b>Volunteer Office Staff</b>	John Wilson, G3UUT Ian Cornes, G4OUT Janice Cornes, G4THY Prue Glaisher, G4RWW
<b>ARRL</b>	Paul Rinaldo, W4RI Frank Butler, W4RH
<b>Region 2</b>	Pedro Seidemann, YV5BPG Rod Stafford, W6ROD
<b>Region 3</b>	Fred Johnson, ZL2AMJ Peter Naish, VK2BPN K.C. Selvadurai, 9V1UV

**Region 1 Member Societies:**

<b>AARA</b>	Omeri Dajlan, ZA1Z Marenglen Mema, ZA1B Omeri Ervin ZA1AZ	(h)
<b>ARAS</b>	Papa Malick Mbengue, 6W1FT	(h)
<b>ARI</b>	Mario Alberti, I1ANP Alessio Tona, 1BYH Daniele Taliani, Secretary Mario Ambrosi I2MQP	(h)
<b>ARABiH</b>	Abadric Nurset, T93N Rusman Darko, T95A	(h)
<b>ARM</b>	Robert Scarlot, 3A2XE Claude Passet, 3A2LF	(h)
<b>ARSK</b>	Max Raicha, 5Z4MR	(h)
<b>ARRSM</b>	Julian Giacomoni, T77J Henry Franciosi, T77J Giancarlo Montico, T77WI Tony Ceccoli T77C John Ceccgettum T77CD Luciano Lepri, T77I	(h)
<b>BFRA</b>	Panayot Danev, LZ1US	(h)
<b>BFRR</b>	Andrei Bindasov, EU7KI	
<b>CARS</b>	Spyros Stavrinides, 5B4MF	(h)
<b>CRAM</b>	Yattara Amadoun, TZ6HY	
<b>CRC</b>	Milos Prostecky, OK1MP Martin Huml, OK1FUA/OL5Y Karel Odehnal, OK2ZI Jiri Marecek, OK2BWN	(h)
<b>DARC</b>	Guenter Koenig, DJ8CY Hans Berg, DJ6TJ Dr Hardy Buettig, DL1VDL Hellmuth Fischer, DF7VX Heinz-Guenther Boettcher, DK2NH Dr.Lothar Wilke, DL3TD Hans H Ehlers, DF5UG Karl-Heinz Mols, DL9ME Rainer Wilhelm, DH7RW	(h)         (o)

<b>EDR</b>	Sven Lundbech, OZ7S Hans O Pyndt, OZ5DZ Ivan Stauning, OZ7IS	(h)
<b>ERAU</b>	Arvo Phil, ES5MC	(h)
<b>FRA</b>	Arne Juul, OY1A	(h)
<b>IARC</b>	Joseph Obstfeld, 4X6KJ	(h)
<b>IRTS</b>	Sean Nolan, EI7CD Sean Donelan, EI4GK	(h)
<b>LRAL</b>	Janis Oskars, YL3AD	(h)
<b>LRMD</b>	Antanas Zdrumys, LY1DL	(h)
<b>MRASZ</b>	Laszlo Berzsényi, HA5EA	(h)
<b>NRRL</b>	Anders Torp, LA9NT Jan Almedal, LA9HW Anne-Lise Gaardso, Tom V Segalstad, LA4LN Kjetil Toresen, LA8KV	(h)
<b>OeVSV</b>	Ronald Eisenwagner, OE3REB Ing. Michael Zwingli, OE3MZC Michael Kastelic, OE1MCU	(h)
<b>PZK</b>	Wieslaw Wysocki, SP2DX Zdzislaw Bienkowski, SP6LB Krzysztof Slomczynski, SP5HS Waldemar Krassowski, SP4KM	(h)   (o)
<b>RAL</b>	Aref Mansour, OD5CN	(h)
<b>REF</b>	Kalantzis Sotiirios, F6BZ Patrick Magnin, F6IOC/F6IYE Philippe Martin, F6ETI	(h)
<b>RSGB</b>	Bob Whelan, G3PJT Don Beattie, G3BJ David Butler, G4ASR Colin Thomas, G3PSM Mike W Dixon, G3PFR Alan E Betts, G0HIQ Peter Kirby, G0TWW Graham Shirville, G3VZV Hilary Claytonsmith, G4JKS Denise E Carter, (UK government)	(h)      (o)  (o) (o)

<b>RSM</b>	Trajko Gorcevski, Z35A Oliver Tabakovski, Z32TO	
<b>SARA</b>	Anton Mraz, OM3LU Kurt Kawasch, OM8AA	(o)
<b>SRJ</b>	Hrane Milosevic, YT1AD	(h)
<b>SRAL</b>	Jari Jussila, OH2BU Jussi Liukkonen, OH5LK	(h)
<b>SRR</b>	Tchermen Gouliev, UA3BL	(h)
<b>SSA</b>	Gunnar Kvarnefalk, SM0SM Sigge Skarsfjall, SM5KUX Anders Lahti, SM2ECL	(h)
<b>UBA</b>	Pierre Cornellis, ON7PC Jacques Debouche, ON5OO Guy Berger. ON7ZV	(h)
<b>URA</b>	Sauri Joan Manel, C31US	(h)
<b>URE</b>	Antonio Baques Roviralta, EA3BRA	
<b>USKA</b>	Fred Tinner, HB9AAQ Dr Willy Rusch, HB9AHL Kuehne Pirmin, HB9DTE Andreas Thiemann, HB9JOE	(h)
<b>VERON</b>	Hans Blondeel Timmerman, PA7BT Jan Hoek, PA0JNH Leon Kusters, PA1LK Albert J Westenberg, PA0AWN Kees Murre, PA2CHM Sjoerd H Ypma, PA0SHY Dick W Harms, PA2DWH	(h) (o)
<b>ZRS</b>	Leopold Kobal, S57U Evgen Kranjec, S52EZ	(h)

# Report of the First Plenary Meeting

The meeting opened at 10.15 a.m.

## **1 Introduction by the Chairman of IARU Region 1, Mr Louis van de Nadort, PA0LOU**

The Chairman opened the meeting by welcoming delegates, observers, partners and honoured guests from Regions 2 and 3. He said that it was with regret that he had received a letter from Mr Jan Mutai of the ATU saying why he was unable to attend. Apologies were also received from ZS6AKV, who due to professional commitments would be unable to attend the General Conference.

PA0LOU then asked everyone to stand for one minute's silence for friends who had become silent keys since the last Conference, he named Alf Almedal, LA5QK, Ron Glaisher, G6LX, Philip Lessig, DK3LP and Bahri Kacam, TA2BK.

It was with regret that several Societies were unable to attend the Conference due to the fact that either they could not obtain an Italian visa, or find sponsorship to assist with the air travel.

Speeches were made by the following:

The Honorary President of ARSM, Mr Julian Giacomoni, T77J.

Address by the Minister of PTT of the Republic San Marino, Dta. Emma Rossi, Secretary of State for Telecommunications.

Response by the President of the IARU, Mr Larry E Price, W4RA.

Official Opening of the Conference by the Director of the Radio Communication Bureau of the International Telecommunication Union, ITU, Mr Robert W Jones.

Copies of all speeches are included at the end of the report of the First Plenary.

After a short break the following was carried out:

## **2 To elect the Chairman and six members of the Credentials and Finance Committee, C2.**

Two candidates were proposed, Joseph Obstfeld, 4X6KJ and Don Beattie, G3BJ, there was a vote by a show of hands and 4X6KJ was duly elected to Chair Committee C2.

Delegates from the following six Societies were appointed.

UBA, VERON, ARAS, DARC, REF and RSGB.

**3 To elect the Chairman of the General Administrative and Organisational Committee, C3.**

Ole Garpestad, LA2RR was elected unopposed.

**4 To elect the Chairman and two members of the Election and Ballot Committee, EBC, C6.**

SP2DX (PZK) was elected as Chairman with members from REF and SSA.

**5 To appoint a selection panel of 5 Member Societies to review the Roy Stevens, G2BVN Memorial Trophy.**

DARC, URE, FRR, LRMD and SRR were elected.

The First Plenary Meeting then closed.



## **Opening speech by Julian Giacomoni, T77J**

Thank you Mr. Chairman,

Ladies and Gentlemen, Dear Delegates, Authorities, Dear Guests,

It is with great satisfaction and pleasure that I welcome you all to this century-old land of liberty and most ancient Republic of the world.

San Marino has a territorial extension of sixty square Km, a population of twenty-eight thousand people, an Amateur Radio Association of 25 members. Despite its small size, this community firmly believes, with determination and constancy, in all projects embarked upon.

Today, San Marino hosts the works of the 2002 IARU Region 1 Conference.

Let me stress on this occasion the important role always played by radio amateurs all over the world. Through their activity, they have considerably contributed to development, research, telecommunications technology, and offered their support and assistance in case of natural disasters by guaranteeing emergency communications when circumstances prevent any other telecommunications means from working.

Equally important is the contribution of radio amateurs in the cultural field. Indeed, the exchange of information among individuals of different nationality and culture greatly improves co-operation among all peoples of the world.

From any place in the world, from the most remote regions to the small Pacific islands, from the space to the large continental areas, it is possible to listen to and talk with radio amateurs, who are always ready to establish a contact beyond any political, cultural, religious or social conviction.

It is worth recalling that the large universal family of Radio Amateurs is made up of individuals of any social class, including Heads of State and Governments, astronauts, scientists, researchers, professionals and people of any class and nationality.

In this context, and in the light of the rapid changes underway at a global level, it is necessary to continue to encourage periodic meetings, conferences and contacts among the "OM" representatives of the world, in order to update, promote and defend band frequencies, to increase the awareness of the administrations, to define technical means, regulations and anything useful to guarantee the continuity of this service, which ITU regulations have defined as follows:

"A radio-communication service for the purpose of self-training, intercommunication and technical investigation carried out by amateurs, that is, by duly authorized persons interested in radio technique solely with a personal aim and without pecuniary interest".

The ARRSM Association, which I represent, is particularly proud and pleased that today the 2002 IARU Reg. 1 Conference, the first of the third millennium, is being inaugurated in San Marino.

It is really exciting to see the faces of those whose voices are so familiar to us.

It is a specific commitment and a great satisfaction for our small association and for San Marino administration to offer the best possible conditions for the carrying out of the Conference works.

Dear guests, friends, observers, authorities, and delegates,

I wish to sincerely thank the IARU and its President, as well as all EC members and all associations which have made this event possible.

My special thanks go to San Marino Government authorities who, in various ways, have contributed to creating the necessary conditions for the organisation of this Conference.

I also wish to thank all volunteers of the association and of the administration who, with dedication and enthusiasm, have worked for the success of the Conference.

Lastly, let me thank the staff of the IARU Office, who has constantly and relentlessly offered its support and guide during the hard preparatory works.

I wish you all a fruitful work and a pleasant stay in the Republic and every success to the Conference.

Thank you Mr. Chairman

**Speech by Dta. Emma Rossi, Secretary of State for Telecommunications.**

As the Secretary of State for Telecommunications, I am delighted to welcome all those who are taking part in this International Amateur Radio Union Region 1 Conference.

Our Republic has always managed to embrace the value of freedom throughout its history. This could only happen, thanks to the good relations that this small Republic has been able to establish with all the nations and, above all, with the people of these nations.

The importance of the amateur radio activities goes in this direction and your presence here in San Marino is a confirmation of that.

So let me express a thought that wants to cross every border as a message launched into the ether. Mine is the thought of Peace for all people.

The voices that a radio amateur receives from his rig has no barrier or race. On the contrary, they are the voices that want to communicate.

Any country which guarantees the amateur radio activity, is a country where freedom and democracy are highly esteemed and it is for this reason that we want to guarantee and defend all those activities which help bring people closer together.

The amateur radio operators are, therefore, a great human resource because they are able to guarantee communications when, after terrible disasters, they can take the place of the official network of telecommunications when these are destroyed or cut off.

Our particular thanks to the Sammarinese radio amateurs who, with their passion, have taken the voice of this Republic all over the world and so, even though so small, has the friendship of great nations.

For these many reasons I wish a successful outcome of the work of all the delegates and organizers of this Conference. I send my thanks for their enthusiasm and determination which will help this Conference to start with the best chances of success. I also trust that your stay in San Marino will be memorable in its achievements and a pleasant experience.

Thank you.

## **Response by Larry E. Price, president IARU**

State Secretary of Telecommunications, Director ITU-R, Region 1 Chairman, fellow radio amateurs and dear friends. This is my second visit to the Republic of San Marino this year. When I was first scheduled to visit the Republic back in April of this year. I must frankly admit I knew very little about this country. In doing some research I quickly found that it has a long and proud history of independence in thought and action,

In fact, although RSM is small, it has a number of similarities with IARU. For, like San Marino, IARU is small but also has a proud history and a reputation for independence. Of course IARU was only founded in 1925 since the invention of radio is only 100 years ago, not like the 1,600 years of the history of San Marino.

So, how are we alike? San Marino is a full member of the United Nations; IARU is in consultative status with ECOSOC, the Economic and Social Council of the UN. San Marino is a full member of the ITU. IARU is a sector-member of ITU and participates in many of the ITU meetings and conferences and will certainly take an active role at the WRC-2003 where issues important to the amateur services will be considered (and we hope for the support of the Republic).

RSM has been surrounded by large and powerful neighbours who may have coveted the lands from time to time...similarly the amateur spectrum is surrounded by other services that covet "our" bands. But, RSM has been able to preserve its independence and IARU hopes to maintain our frequencies from the commercial interests.

My hope is that it won't take as many years to correct the 40-meter "mess" as the years of the Republic's history!

Thank you for your kind attention.

## **Remarks Robert W. Jones, Director, Radiocommunication Bureau, International Telecommunication Union**

Mr. Chairman of IARU Region 1, Honourable Minister, Mr. President of ARRSM, Mr. President of IARU, Officials from IARU Regions 2 & 3, Ladies and Gentlemen, Dear Friends,

It is indeed a real pleasure for me to be with you at this IARU Region 1 Conference. Over the past eight years, I have had the privilege of being at five IARU Conferences as Director of the Radiocommunication Bureau of the ITU. As I approach the end of my second and final term of office and look forward to a hopefully slower pace of life in retirement with time for amateur radio, it is perhaps fitting that my last ITU business trip is to be here with you at a IARU Region 1 Conference.

This is indeed a beautiful setting for your conference and I extend my sincere appreciation to the Minister and the organizers here in San Marino for facilitating what I am sure will be a very successful Conference.

I bring greetings from the ITU secretariat including the Secretary General, Mr. Yoshio Utsumi, my fellow elected officials and the staff of the Radiocommunication Bureau as well as warm greetings from the President of the international Amateur Radio Club, Mr. Philippe Capitaine. I know many of you have operated the club station, 4I1ITU, in Geneva.

Even though I shall be returning to Canada in just six weeks, there is much work remaining to be done. We have our biennial Radiocommunication Seminar beginning tomorrow in Geneva with over 300 participants then, next week, the Conference Preparatory Meeting or CPM will be held for two weeks in Geneva. The purpose of this meeting is to finalize the report of all the technical, operational and regulatory studies which have been carried out in preparation for next summer's World Radiocommunication Conference, WRC-03, which will be held in Geneva for a period of four weeks. The WRC will be preceded by a one week Radiocommunication Assembly. We already have over 800 delegates registered for the CPM as all the stakeholders in the WRC have considerable interest in the contents of the CPM Report to the WRC. IARU will, of course be well represented at the CPM. Indeed, the IARU is to be commended for its significant role in preparing for WRC's so as to ensure that the interests of amateur radio are protected. This is increasingly important as pressure on the spectrum continues to mount. And this upcoming WRC will deal with many items of direct interest to amateur radio including the international regulations which establish the framework for national regulation of the amateur service.

We have just completed the ITU's Plenipotentiary Conference which is held every four years. This conference which was held in Marrakesh, Morocco from September 23<sup>rd</sup> to October 13<sup>th</sup> established the policy and strategic framework as well as the financial plan for the Union for the period up to 2007. It also made certain amendments to the ITU Constitution and Convention as well as elected the five elected officials, the members of the pan-time Radio Regulations Board and the Member States which will serve on the ITU Council. Mr. Valery Timofeev, Deputy Minister for Communications and Informatization in the Russian Federation was elected to replace me. He will become Director of the Radiocommunication Bureau on January 1<sup>st</sup> 2003.

Many of you have known Valery for many years as I have. He is a very accomplished engineer, an expert in the ITU Radio Regulations and an experienced manager. Valery is not a radio amateur but then none of the four candidates for my post were radio amateurs so perhaps IARU will have to work just a bit harder to convince Valery of the value and importance of amateur radio. Being first licensed as VE3CTM 44 years ago this month, I needed no convincing! Unfortunately though, in recent years, the pressures of work have kept me from being very active but I am really looking forward to my retirement at the end of this year and becoming more active from my QTH in the Okanagan Valley of British Columbia, Canada. So, if you hear VE7RWJ on the bands in the new year, please do give me a call.

In closing, I wish you a very successful conference. I only wish I could stay for all of it but I must return to Geneva on Tuesday afternoon. Until then, I look forward to interacting with you.

And now, I hereby declare the IARU Region 1 Conference of 2002 officially open.

Thank you!

# Minutes of the Final Plenary meeting, Friday 15<sup>th</sup> November 2002

## 1 Opening

The Chairman, L.v.d. Nadort, PA0LOU opened the Final Plenary Meeting of the 19<sup>th</sup> General Conference at 08.35 hours.

## 2 The Agenda was approved

## 3 Approval of reports of first and second Plenary meetings

The Reports on the First and Second Plenary Meetings were approved after three small alterations to the First (Opening Plenary) Report, i.e. to be added to the list of silent keys – Philip Lessig, DK3LP, the late DARC President.

The EBC panel should include REF instead of VERON, and the G2BVN panel included SRAL not FRR.

## 4 To adopt the Report and recommendations of Committee C2

2.1 The Chairman of C2, 4X6XJ pointed out a minor correction, the societies represented at the 4<sup>th</sup> meeting were CARS, VERON, DARC, IARC, PZK and REF. This was carried unanimously.

C2.2 Proposed by DARC - Seconded by CRC, VERON, UBA, EDR, USKA  
Carried unanimously.

C2.3 Proposed by ARSK - Seconded by CARS, BFRA, VERON, ERAU, ARAS.  
Carried unanimously.

C2.4 Proposed by PZK - Seconded by B CRC, USKA, ARSK. Carried unanimously.

C2.5 Proposed by DARC - Seconded by CARS, PZK, VERON, ARAS, REF.  
Carried unanimously.

C2.6 Proposed by CRC - Seconded by PZK, REF, SARA. Carried unanimously.

C2.7 Proposed by MRASZ - Seconded by OVSV, PZK, NRRL, SRAL. Carried unanimously.

C2.8 Proposed by DARC - Seconded by PZK, REF, VERON, NRRL, ARSK, EDR, ARAS. Carried unanimously.

C2.9 Proposed by CARS - Seconded by ARI, CRC, ARM, AARA, ARSK, BFRA.  
Carried with one abstention (DARC).

C2.10 Proposed by UBA - Seconded by DARC, NRRL, ARAS, REF, ARABH.  
Carried unanimously.

C2.11 Proposed by UBA - Seconded by NRRL, REF, DARC. Carried unanimously.

It was recorded that a typing error appeared in C2.3 – Reference should be to B.1.2.1 instead of B.1.21.

It was also noted that C2.5 should refer to Torremolinos 1990 not 1999.

The Chairman 4X6XJ thanked the Committee for all their work during the Conference.

## **5 To adopt the Report and recommendations of Committee C3**

The Recommendations for C3 can be found in full at the end of the Conference Report.

C3.1 Proposed by OVSV - Seconded by PZK. Carried unanimously.

C3.2 Proposed by OVSV - Seconded by VERON and EDR. Carried unanimously.

C3.3 Proposed by OVSV - Seconded by CRC, DARC, ARSK. Carried unanimously.

C3.4 Proposed by URA - Seconded by IARC, EDR, DARC. Carried unanimously.

C3.5 Proposed by OVSV - Seconded by RSGB, ARSK, VERON.  
Carried with one abstention (DARC).

C3.6 To be referred to Agenda item 9

C3.7 To be referred to Agenda item 9

C3.8 To be referred to Agenda item 9

C3.9 To be referred to Agenda item 9

C3.10 The Executive Committee to fill the post of IPHA.  
Proposed by REF - Seconded VERON, NRRL, IARC. Carried unanimously.

C3.11 Proposed by ARI- Seconded IARC, IRTS, FRA, NRRL Carried unanimously.

C3.12 Proposed by IARC - Seconded OVSV, PZK, NRRL. Carried unanimously.

C3.13 Proposed by DARC - Seconded by IARC, PZK, FRA. Carried unanimously.

C3.14 A long discussion over the use of the word “tenure” which was not understood by several societies. The matter to be further discussed by the EC.



- Proposed by RSGB - Seconded by OVSV. Carried unanimously.
- C3.15 A discussion took place regarding Vice-Chairmen for C4 and C5.  
Proposed by PZK - Seconded by IRTS, CARS. Carried with 9 abstentions.
- C3.16 Proposed by OVSV - Seconded by IARC, PZK. Carried unanimously.
- C3.17 Proposed by EDR - Seconded SSA, OVSV. Carried unanimously.
- C3.18 This referred to Document C3.22  
Proposed by NRRL. - Seconded UBA, ARAS, IARC carried unanimously.
- C3.19 This referred to Document C3.23  
Proposed by RSGB, Seconded by NRRL, IARC, FRA. Carried unanimously.
- C3.20 This referred to Document C3.6 (Recommendations 1 and 2)  
That this be approved and that the EC organise a postal vote to amend the Constitution in due course.  
Proposed by IARC - Seconded by USKA. Carried unanimously.
- C3.21 This referred to Document C3.6 (Recommendation 3)  
Proposed by USKA - Seconded by AARA. Carried unanimously.
- C3.22 Proposed by CARS - Seconded by NRRL, LRAL. Carried unanimously.
- C3.23 Proposed by OVSV - Seconded by RSGB, PZK. Carried unanimously.
- C3.24 Dealt with under Agenda item 9.
- C3.25 Proposed by ARSK - Seconded by RSGB, CARS, NRRL.  
Motion carried with 5 Against (ARM, ARSM, CRC, IARC, SARA) and 5 abstentions (DARC, UARL, LRMD, ZRS and BFRR).
- C3.26 Proposed by DARC - Seconded by RSGB, OVSV. Carried unanimously.
- C3.27 Proposed by DARC - Seconded by USKA. Carried unanimously with agreed new wording. “That Region 1 Member Societies should keep other Region 1 Member Societies informed of any proposal to introduce new licensing systems.”
- C3.28 Proposed by RSGB - VERON, UBA, NRRL. Carried with 3 abstentions - DARC, MRASZ and CRC.
- C3.29 Dealt with under Agenda item 9.
- C3.30 That AC Resolution 99-3 be approved.  
Proposed by CRC - Seconded by NRRL. Carried unanimously.

- C3.31 That AC Resolution 99-4 be approved.  
Proposed by NRRL - Seconded by CRC. Carried unanimously.
- C3.32 Proposed by RSGB - Seconded by OVSV.  
First part of this Recommendation carried with 1 against (REF)  
Second part referred to Agenda item 9.
- C3.33 Proposed by DARC - Seconded by USKA., PZK, SRR. Carried unanimously.
- C3.34 To be referred to Agenda item 9.
- C3.35 Proposed by ARSK - Seconded by OVSV, USKA, ARAS, IARC, RSGB. Carried unanimously as amended
- C3.36 Proposed by OVSV - Seconded by CRC, REF, IARC, UBA.  
Carried unanimously.
- C3.37 Dealt with under Agenda item 9.
- C3.38 Proposed by UBA. - Seconded by REF, DARC.  
Carried unanimously.

The Report for C3 was duly accepted with thanks to the Chairman, LA2RR for his work in regard to this Committee.

## **6. To adopt the Report and Recommendations of Committee C4**

The Chairman of C4, ON7LX reported that Appendix 3 was the correct version of persons present at the C4 meetings.

- C4.3 Proposed by EDR - Seconded by DARC, RSGB, REF. Carried unanimously.
- C4.5 Proposed by OVSV - Seconded by IRTS. Carried unanimously.
- C4.6 Proposed by DARC - Seconded by EDR. Carried with one abstention (NRRL) and 1 against (OVSV).
- C4.8 Proposed by DARC - Seconded by EDR, RSGB, USKA, ARABiH.  
Carried unanimously.
- C4.9 Proposed by NRRL - Seconded by BFRA, IRTS. Carried unanimously.
- C4.11 Proposed by RSGB - Seconded by DARC, ARM, EDR. Carried unanimously.

C4.12 The Chairman pointed out that Annex 4 page 2 was replaced by the “Region 1 HF bandplan: note stating type of emission in parts of the band.  
Proposed by RSGB - Seconded by EDR. Carried unanimously.

This concludes the Recommendations under C4. The Chairman was thanked for her work with this Committee.

## 7 To adopt the Report and Recommendations of Committee C5

The Chairman announced some changes to the Minutes and annex to C5. These changes will be noted in the Conference Report.

- |       |   |   |                                       |
|-------|---|---|---------------------------------------|
| C5.1  | Proposed by DARC<br>one abstention (PZK).           | - | Seconded by UBA, NRRL. Carried with   |
| C5.2  | Proposed by REF, DARC                               | - | Seconded by ARAS, EDR. Caried         |
| C5.3  | Proposed by NRRL                                    | - | Seconded by REF. Carried unanimously. |
| C5.4  | Proposed by RSGB                                    | - | Seconded by PZK, IRTS, EDR. Carried   |
| C5.5  | Proposed by UBA                                     | - | Seconded by DARC, CRC, MRASZ.         |
| C5.6  | Proposed by RSGB                                    | - | Seconded by DARC, NRRL. Carried       |
| C5.7  | Proposed by SRAL<br>USKA, UBA. Carried unanimously. | - | Seconded by NRRL, DARC, RSGB,         |
| C5.8  | Proposed by EDR, DARC                               | - | Seconded by OVSV, RSGB, CRC. Carried  |
| C5.9  | Proposed by USKA                                    | - | Seconded by CRC, PZK, OVSV. Carried   |
| C5.10 | Proposed by REF                                     | - | Seconded by USKA, BFRA, PZK. Carried  |
| C5.11 | Proposed by REF                                     | - | Seconded by CRC, DARC, PZK, USKA.     |
| C5.12 | Proposed by SRAL                                    | - | Seconded by USKA, DARC, PZK, CRC.     |

The Chairman PA0EZ announced that the next VHF Interim Meeting would take place at the beginning of 2004 in Vienna.

SP5FM announced that discs containing matters relating to the ERC would be handed to all heads of delegations after the EC election process.

This concluded the matters relating to C5 and the Chairman was thanked for all his work.

## 8 Election of the Executive Committee

The following results were reported by SP2DX, chairman of the EBC.

<b>Position</b>	<b>Nominee</b>	<b>Votes Received</b>
Chairman	Ole Garpestad, LA2RR	Elected unopposed
Vice-Chairman	Mustafa Diop, 6W1KI	Elected unopposed
Secretary	Don Beattie, G3BJ	Elected unopposed
Treasurer	Andreas Thiemann, HB9JOE	Elected unopposed
Members:	Hans Ehlers, DF5UG	34 - Elected
	Panayot Danev, LZ1US	30 - Elected
	A.Razak Al.Shahwarzi, A41JT	29 - Elected
	Hans Blondeel Timmerman PA7BT	25 - Elected
	Max Raicha	23 - Elected
	Mario Ambrosi, I2MQP	22
	Betty Maguin, F6IOC	10

The Chairman welcomed the newly elected members onto the committee and thanked the retiring members for their work during the last three years.

## 9 To elect the Chairmen or Co-ordinators of specialised bodies

The following appointments were agreed:

Hans Blondeel Timmerman, PA7BT	-	Chairman, External Relations Committee (ERC).
Carine Ramon, ON7LX	-	Chairman, HF Committee
Arie Dogterom, PA0EZ	-	Chairman, VHF Committee
Rainer Floesser, DL5NBZ	-	Chairman of ARDF WG
Christian Verholt, OZ8CY	-	Chairman of EMC-WG
Gaston Bertels, ON4WF	-	Chairman EUROCOM WG
Bob Whelan, G3PJT	-	Chairman of RR-WG
Hans Welens, ON6WQ	-	Chairman of STARS WG
Oliver Tabakovski, Z32TO	-	HST Co-ordinator
Hani Raad, OD5TE	-	IARU-MS Co-ordinator
Martin Harrison, G3USF	-	IBP Co-ordinator
Gordon Adams, G3LEQ	-	Emergency Communications Co-ordinator

## 10 To establish the venue for the next General Conference

There being only one Society wishing to hold the 2005 Conference, it was confirmed that this would be held in Davos, Switzerland, hosted by USKA. This was unanimously approved with 2 abstentions, DARC and SRR. The date to be decided by the Executive Committee.

## **11 To announce the recipient of the G2BVN award**

The panel elected to consider the nominated recipient of this Award approved the nomination and Louis v.d. Nadort, PA0LOU, was announced as the recipient and was presented with the plaque by the Office Manager.

PA0LOU said he felt very honoured and proud to receive this Trophy.

## **11 Courtesies**

The Chairman, then announced that the EC had decided to award the Region 1 Medal and Certificate to several persons, the following were then asked to come forward to receive the awards.

Ron Roden, G4GKO - IARU-MS  
R.J “Tim” Hughes G3GVV - Secretary  
John Bazley, G3HCT - RRWG  
Gaston Bertels, ON4WF - EURO-COM

The Chairman then presented a gift on behalf of the Executive Committee to the Office Manager, Audrey Jefcoate, in recognition of her work for Region 1.

## **13 AOB**

IARC requested the IS to circulate the contest calendar and contest rules.

Because the International Call Book is no longer printed, Member Societies were challenged to get together and publish a new edition.

The Chairman advised the Final Plenary that the existence of IARU could only be assured if it is supported by Member Societies. “After June 2003, we can all relax” he said, adding “that is not correct”. The assistance of all Member Societies is needed, particularly in providing financial contributions which will enable all radio amateurs to be represented at International Conferences.

The Chairman said it was a sad occasion for him to be closing the 19<sup>th</sup> General Conference but he wished everyone good luck in the future.

The Conference closed at 15.45 hours.

## **Recommendations approved – Committee C2**

**As approved by the 2002 San Marino Final Plenary  
(all changes made by the Final Plenary are included)**

### **Recommendation C2.1**

*That the financial reports and accounts for the years 1999, 2000 and 2001 be accepted by the Conference*

### **Recommendation C 2.2**

*That the EC be asked to consider the issues raised by DARC in paper C 2.3, to recognise the financial pressures that all societies are under, and to manage the financial affairs of the Region accordingly*

### **Recommendation C 2.3**

*That the General Conference in San Marino 2002 withdraws the recommendation C25 (Lillehammer 1999) and returns to existing Bye-Law BI.2. 1, subject to the overall travel budget for the Region not being exceeded.*

The reasoning for this change is that the amount of CHF 1500 does not cover all the expenses a small society will need to send one representative to a Region 1 General Conference. This contradicts the idea that such financial assistance would inspire smaller societies to take part in the work of IARU Region 1.

C2 believes that such a change is appropriate, given the improved financial position in the Region.

### **Recommendation C2.4:**

*That the General Conference in San Marino 2002 withdraws the recommendation C2. 11 (Lillehammer 1999).*

The reasoning put forward by the EC is that:

Regular contact with the other two regions has proved to be very productive. In view of the improved financial situation, the EC considers it a justifiable expense, and liaison with Regions 2 and 3 should be re-activated.

Subject to the overall travel budget of the Region not being exceeded, C2 supports this proposal.

### **Recommendation C 2.5**

*That the recommendation C2. 1.2 (Lillehammer 1999) be withdrawn.*

The reasoning put forward by the EC for this change is:

It has proved necessary to have the office manager or another person as minute taker to allow for an efficient EC meeting. There is no reason to exclude the chairman of the permanent HF Committee and the Chairman of the permanent VHF/UHF/Microwave Committee from the EC meeting, and that therefore, recommendation 1.4.25 Torremolinos 1990) should be reconfirmed.

C2 recommends acceptance of this proposal, again subject to the overall budget. However, the EC was encouraged to find ways of operating without the attendance of the office manager at ECs if at all possible.

**Recommendation C 2.6**

*That the funding proposals for ARDF as contained in paper C 2.5 should be approved. However, the EC is encouraged to review the return on Regional investments such as ARDF.*

**Recommendation C 2.7**

*That the report of the Financial Advisory Group (paper C 2.6) be accepted*

**Recommendation C 2.8**

*That the three year outline budget as proposed by the EC in paper C 2.2 be accepted. However, as C2 has some reservations about the future income level assumed in this budget, the EC be asked to monitor this income, and make adjustments to the expenditure should the revenue plan not be achieved.*

**Recommendation C 2.9**

*That the EC proposal to retain the rate of membership dues at the current level of CHF 1.80 per society member together with the voluntary CHF 0.10 for Fund 4, for the years 2003, 2004 and 2005 be accepted.*

**Recommendation C 2.10**

*That the EC continue to progress the outstanding actions in recommendations 2.8 and 2.18 from Lillehammer.*

**Recommendation C 2.11**

*That Recommendation C2.15.5 from Lillehammer should stand.*



## **Recommendations of Committee C3**

**As approved by the 2002 San Marino Final Plenary  
(all changes made by the Final Plenary are included)**

Recommendation 02/SM/C3. 1

*That the “Guidelines on the evaluation of amateur radio stations with respect to conformity with RF exposure limits” are adopted as IARU Guidelines. The text for the Guidelines are to be found in C3. 9Annexl.*

Recommendation 02/SM/C3. 2

*In order to have as much influence as possible on the content in the EMC standards National societies are strongly encouraged to become active in standardisation in CENELEC and ETSI if possible by membership of the relevant National Standardisation Organisation.*

Recommendation 02/SM/C3. 3

*In many cases it is up to the representatives of National Authorities to defend and protect our interests. It is therefore recommended that National Societies have close cooperation with National Authorities and constantly keep them informed of our needs.*

**Recommendation 02/SM/C3. 4**

*That National Societies promote HF communication in such a way as to give it a more positive profile.*

**Recommendation 02/SM/C3.5**

*That IARU apply for membership of ETSI and allocate the resources to participate in the work in the CENELEC & ETSI joint working group on telecommunications networks. The Chairman of the EMCWG to determine who attends each meeting on behalf of IARU Region I*

**Recommendation 02/SM/C3.10**

*As no candidates are forthcoming for the role of IPHA Coordinator, the EC should take such steps as it feels appropriate to fill this post*

**Recommendation 02/SM/C3. 11 (CAM- WG recommendation Nr. 1)**

*It is recommended that the EC, before a conference starts, or at the start, makes a short document with the guidelines the EC will use during the conference In the introduction to the guidelines the importance of the use of simple, plain and clear language should be stressed.*

**Recommendation 02/SM/C3.12 (CAM- WG recommendation Nr. 4 was not approved)**

*That the FAG should not be continued after the San Marino Conference.*

**Recommendation 02/SM/C3.13 (CAM- WG recommendation Nr. 8)**

*That all nominations to EC shall, wherever possible, be made in the form of a conference document at least 3 months before the scheduled date of the Conference.*

**Recommendation 02/SM/C3.14 (CAM-WG recommendation Nr. 14)**

*That the EC should consider the maximum length of tenure for EC members.*

**Recommendation 02/SM/C3. 15 (CAM- WG recommendation nr 15)**

*That the appointment of Vice-Chairmen in the permanent committees be recommended for consideration by the Chairmen of Committees C4 and C5 and that they be left to pursue this matter*

**Recommendation 02/SM/C3. 16 (CAM-WG recommendation Nr. 16)**

*That the EC considers the proposals in this recommendation, noting that a postal vote needs to be a “fail-safe” process to ensure that electronic voting requests are received and acknowledged*

**Recommendation 02/SM/C3. 17**

*That Conference establishes a Standing Recommendation Revision Working Group under terms of reference set out in the above paper, with the group working by e-mail and reporting to the EC regularly, and giving its final report no later than one year before the next General Conference.*

*The proposal only covers recommendations related to C3 matters. The WG was requested to liaise with the Chairmen of C4 and C5 in order to include a description of how recommendations are maintained in these two committees.*

*Proposed WG members: SM0SMK, SSA (Chairman) and members from DARC and USKA.*

**Recommendation 02/SM/C3. 18**

*That Document C3.22 be approved*

**Recommendation 02/SM/C3.19**

*That Document C3.23 be approved*

**Recommendation 02/SM/C1 20 (Doc 3.6 Recommendations 1 and 2)**

*That this be approved and that the EC organize a postal vote to amend the constitution in due course.*

**Recommendation 02/SM/C3.21 (Doc 3.6 Recommendation 3)**

*That this be approved and that the EC consider relaxing the rules on CV to allow professional experience to be included in the case of candidates for Treasurer*

**Recommendation 02/SM/C3. 22**

*That the way in which administrative support is provided to the Secretary is a matter for the EC considering efficiency and cost. However, and recognising the views of some member societies, any proposal to use a member society to provide this support should require approval by a simple majority vote of member societies of the Region*

**Recommendation 02/SM/C3.23 (Recommendation 7 in paper C3. 6)**

*That certain IARU Region 1 activities (e.g. ETSI participation,) should be coordinated on a cost-sharing basis.*

**Recommendation 02/SM/C3. 25**

*That IARU Region I supports removal of the mandatory requirement for Morse code testing for amateur licences*

**Recommendation 02/SM/C3.26: (Doc C3.3 recommendation B)**

*That Region 1 societies be urged to ask their authorities to keep the principles of T/R 61-02, taking into account Recommendation 02/SM/C3.25).*

**Recommendation 02/SM/C3.27 (Doc 3.3 recommendation C)**

*That Region 1 societies should keep other Region 1 societies informed of any proposal to introduce new licensing systems.*

**Recommendation 02/SM/C3. 28**

*Setting aside any previous relevant discussions, Region 1 of IARU formally endorses the October 2001 resolution of the IARU Administrative Council in respect of Morse Code, in its entirety*

*As a consequence, member societies are asked to work with their administrations to support the objectives set out in the AC resolution and in furtherance of the adoption of ITU-R M1544 as part of the internationally agreed requirements for an amateur radio licence.*

**Recommendation 02/SM/C3. 30**

*That AC Resolution 99-3 be approved*

**Recommendation 02/SM/C3.31**

*That AC Resolution 99-4 be approved*

**Recommendation 02/SM/C3. 33**

*That the Rules for Championships in ARDF Version 26, Part A and B (C3. 21 revl) be accepted*

**Recommendation 02/SM/C3.35 (Recommendation STARS 1)**

*That the IARU Region I General Conference approves the Chairman's report and that the work and activities of the STARS WG continues for a further three year period in accordance with the IARU Region 1 Constitution and Bye Laws, The Working Group current terms of reference and its action plan is outlined in Doc. 02/SM/C3.14 and related annexes.*

**Recommendation 02/SM/C3.36 (Recommendation STARS 2)**

*That the IARU Region 1 General Conference reconfirms the recommendations 99/LH/C3.18-21 as amended:*

*99/LH/C3.18 The IARU Region 1 General Conference recommends that any and all expenses related to "development", including the general costs of the STARS WG, the ADP Seminars and a participation of Region I delegates at a Regional Telecommunications Development Conference, shall be accounted for under Fund 4*

*99/LH/C3.20 The IARU Region 1 General Conference further recommends that if an ADP Seminar is organised during the next three year period, it shall cost not in excess of 25,000 CHF, such budget to be mandatorily monitored and implemented by the IARU Region 1 Treasurer.*

*99/LH/C3.21 The IARU Region 1 General Conference also recommends that member societies wishing to donate funds to Fund 4 during the next three year period, should do so in an amount no less than 0,10CHF per licensed member per year*

**Recommendation 02/SM/C3.38.**

*It is recommended to amend the rules for HST with the items listed in the minutes from the WG meeting on Sunday 10<sup>th</sup>, document C3.10 addendum 1..*

## **Recommendations of Committee C4**

**As approved by the 2002 San Marino Final Plenary  
(all changes made by the Final Plenary are included)**

### **Recommendation 02/SM/C4.3**

*That Doc.02/SM/C4.3 rev 2 be accepted as a new principle of bandwidth approach for bandplanning. The existing bandplan remains. Doc C4.3 (after harmonizing the frequency list with the actual bandplan) will be published together with the existing band plan, in the HF Managers' Handbook as a help.*

In this way every society will have the opportunity to educate members to understand the new bandplan approach.

### **Recommendation 02/SM/C4.5**

*It is recommended for stations working "split frequency" to keep the window as narrow as necessary and to announce the window together with their call sign.*

### **Recommendation 02/SM/C4.6**

*The band change stipulation for the single operator categories in IARU Region 1 HF contests should be eliminated, which should be mentioned in the HF Managers' Handbook.*

### **Recommendation 02/SM/C4.8**

*That IARU Region1 associations exchange the electronic log data. The rules should contain a statement saying that Field Day participants agree automatically to the log exchange upon log submission.*

### **Recommendation 02/SM/C4.9**

*The frequencies 3.555, 14.055, 21.055 and 28.055 should be defined as CW QRS centres of activity, where radio amateurs who want to develop their CW could meet one another. This should be stated as a guideline in the HF Managers' Handbook.*

*In the same spirit the frequencies 3.560, 7.030, 14.060, 18.096, 21.060, 24.906 and 28.060 should be defined as QRP centres of activity, where amateurs who want to perform low power contacts could meet one another. This should be stated as a guideline in the HF Managers' Handbook.*

### **Recommendation 02/SM/C4.11**

*A working group be formed to investigate the possibility of a frequency allocation of approximately 10 kHz between 470 – 490 kHz to investigate propagation and the use of new communication technologies. A Progress report should be circulated to the Secretaries of Region 2 and Region 3 for information.*

## **Recommendation 02/SM/C4.12**

### *136 kHz Band Plan*

*Guidelines: No rigid band plan is proposed, but amateurs are asked to work within the following conventions, giving long distance communication and experimentation priority:*

#### *135.7 – 136.0 Station tests & transatlantic reception window*

- *135.9 – 135.98 kHz preferred transatlantic window for Europe to North American transmissions of very slow CW (QRSS)*

#### *136.0 – 137.1 CW*

- *135.980 – 136.050 kHz preferred transatlantic window for Europe/North American contacts*

#### *137.1 – 137.6 non-CW modes (Hell, Wolf, PSK, etc.)*

#### *137.6 – 137.8 Very slow CW (QRSS) centred on 137.7*

- *137.700 – 137.800 kHz preferred transatlantic window for Europe to North American transmissions*

*Extension and Harmonisation: Region 1 members seek to broaden the allocation, gain primary status and influence other IARU Regions to adopt the CEPT recommendation.*

The C4 Committee elected:

- S50A as Chairman of the HF Contest Sub group.
- G3USF as the Beacon Coordinator.
- DL1VDL as Chairman for the Bandplan Working Group.

The C4 Committee nominated:

- ON7LX as Chairman for the C4 Committee.

## **Recommendations of Committee C5**

**As approved by the 2002 San Marino Final Plenary  
(all changes made by the Final Plenary are included)**

### **Recommendation 02/SM/C5.1**

*The current recommendation about complimentary exchange of society magazines (Lausanne 1953) will be amended so that its section a) now reads:*

*Exchange of society magazines between VHF Managers is encouraged on a bilateral basis.*

### **Recommendation 02/SM/C5.2**

The basis for the planning of the VHF/UHF/Microwaves bands will be

- a. The bandwidth required by the signal. Currently maximum bandwidths of 500 Hz, 2700 Hz, 12 kHz and 20 kHz will be used in the 50 and 145 MHz bands.
- b. The “mode” ( Telegraphy, SSB etc) . A new mode called M(achine) G(enerated) M(odulation) will be used for those systems where computer processing is an essential component of transmitting and receiving (examples are PSK31, FSK441).

### **Recommendation 02/SM/C5.3**

*The bandplan for the 50 MHz band will be changed as indicated in the appendix 3 to the C5.report*

### **Recommendation 02/SM/C5.4**

*The RSGB 70 MHz bandplan will be incorporated as the IARU R1 70 MHz bandplan and appendix 1 to section IIc in the Handbook will be deleted.*

### **Recommendation 02/SM/C5.5**

*The note i to the 145 MHz bandplan to be reworded as:*

*In Europe no input or output channels of telephony repeaters shall be allowed to operate between 144.000 and 144.990 MHz.*

**Recommendation 02/SM/C5.6**

*The basis of the 145 MHz bandplan will be as shown in appendix 4 to the C5 report.*

*The changes have to be effective starting 1-1-2003*

**Recommendation 02/SM/C5.7**

*The 435 MHz bandplan will be amended as indicated in appendix 5 of the C5 report. The change in the 432-433 MHz segment will be a first step to allow the creation of a new repeater standard which fulfils the needs of countries having access to only 6 MHz of the band. The changes have to be effective starting 1-1-2004*

**Recommendation 02/SM/C5.8**

*The basis for the planning of the bands above 20 GHz will be that segment where the amateur and amateur satellite services have a primary status. Moreover the decisions of WRC 2000 will be taken into account. In the short term the most important change will be the deletion of the narrow band segment 24192-24194 MHz. Details to be found in appendix 6.*

*The changes have to be effective starting 1-1-2004.*

**Recommendation 02/SM/C5.9**

*In section 7 of the rules for the IARU Region 1 50 MHz contest ( Handbook III ) the possibility to exchange only the first 4 characters of the locator shall be eliminated.*

*The changes will come into effect with the 2003 contest.*

**Recommendation 02/SM/C5.10**

*The IARU Region 1 50 MHz contest will start on the third Saturday in June from 2003 onwards in order to avoid coincidence with the regionally coordinated microwave contest and the HF CW field day on the first weekend of June.*

**Recommendation 02/SM/C5.11**

*The rules for adjudication of the IARU Region 1 VHF and UHF/Microwaves contest in September and October shall be slightly amended in order to arrive at a timely publication of the results.*

*The basic changes will be:*

*The adjudication of the September and October contest will be done by two different member societies.*

*The results will be distributed only in electronic form.*



**Recommendation 02/SM/C5.12**

*A contact between stations on VHF/UHF/Microwaves can only be judged as having been complete when have been exchanged*

- Both callsigns*
- The signal reports*
- Confirmation of reception of the above.*