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GSC7/RAST10 OPENING PLENARY, MONDAY 5TH NOVEMBER 2001**1. OPENING OF MEETING AND ADDRESS BY THE CHAIR**

Mr Bob HORTON, ACIF, GSC7/RAST10 Chairman, opened the 7th Global Standards Collaboration & 10th Global Radio Standardization meeting at 8:30 am. on Monday 5 November 2001, welcoming the representatives from the Participating Standards Organizations (PSOs), the ITU, the Liaison Organizations and Observers.

With sad regret Mr Horton noted that Mr Akio SASAKI, ARIB had passed away in October this year. On behalf of the meeting he observed the contribution that Mr Sasaki had made to global standardisation and that his personality will be missed at the meetings.

Mr Horton reviewed the program for the GSC7/RAST10 meeting, commending the high level of contributions submitted to be considered over the next four days.

The list of attendees is found in ANNEX D.

2. APPROVAL OF THE AGENDA

The agenda ([GSC7 A1 VB](#)) was presented by Mr Horton. He noted the large number of contributions ([ANNEX C](#)) and the busy schedule, and requested that each presenter speak no more than approximately five minutes when introducing a contribution.

The agenda was agreed, with one change to move Item 12 on Future International Activities to the beginning of Thursday's schedule. There was no report from the ITU-R for Agenda Item 4.1.2.

3. ORGANISATIONAL MATTERS

The Draft summary Minutes ([GSCMinutes version6](#)) of the GSC6/RAST9 meeting held 29 August to 1 September 2000 covering the joint opening and closing plenary sessions were reviewed on the second day and approved as written with some minor editorial corrections. The corrected Minutes ([GSC6_Minutes_v7](#)) are to be included in the GSC7 documents.

3.1 Meeting Organisation

Mr Horton outlined the agenda for the series of meetings to be held over the four days. He encouraged delegates to participate in the User Workshop on Wednesday morning. Mr Mike JOHNS covered the logistics of the meeting and the facilities available to the participants. An official Welcome Dinner was scheduled for Monday evening, to be hosted by Alcatel Australia, with a guest speech by Mr Alastair Urie of Alcatel.. Tuesday's lunch would be held slightly later to coincide with Australia's annual national horse race, the Melbourne Cup, and a Farewell Dinner was planned for Thursday night, to be hosted by Telstra.

4. REVIEW OF DEVELOPMENTS SINCE GSC6 MEETING

4.1 Report from ITU

4.1.1 Report on ITU-T Activities

Mr. Houlin ZHAO, ITU-T, presented 'Review of ITU-T activities between GSC 6 and GSC 7' (**GSC7 01**). His slides covered the introduction of the new AAP and TAP procedures, changes to membership categories, the new Special Study Group 'IMT-2000 and beyond', a more empowered TSAG, improvements in EDH, and website facilities. He emphasised the need to enhance promotion and cooperation among GSC members, requesting the exchange of ideas.

Mr Gary FISHMAN, TSAG Chair presented 'Report on implementation of the ITU-T Alternative Approval Process, 29 January – 1 November 2001' (**GSC7 15**). Mr FISHMAN noted that with the introduction of the AAP procedure, the time between determination (or consent to notification) to approval has been reduced to 10 weeks on average. Now 59% of approvals take less than 8 weeks and 78% take less than 12 weeks.

The ITU contribution 'Review of TSB Director's Ad hoc Group on IPR' (**GSC7 30**) was noted but not presented at the meeting.

Mr Bob Horton commended the more visible role of ITU and the strategic focus in this conference, observing the need to work towards a collaborative end. He noted the plans for the World Information Summit (first half of 2003 and 2nd half of 2005) and invited the members to consider input into the Summit

4.1.2 Report on ITU-R and IMT-2000 Project

There were no contributions or presentations from the ITU-R.

Mr Dan BART, TIA-USA, gave a brief verbal report on the work on IMT-2000

4.2 Report from GSC/RAST Participating Standards Organisations

4.2.1 ACIF

Ms Johanna PLANTE, CEO ACIF presented 'ACIF activities since GSC6/ RAST9' (**GSC7 4 R1**). She focused on three main areas of activity, drawing the attention of the participants to her presentation slides for further details. The xDSL work followed international standards and incorporated usage rules and operational arrangements for Australia. The Mobile Number Portability work was 2 years in development, resulting in some twenty documents with the service recently commencing on 25 September 2001. ACIF continues to encourage user and consumer involvement, with 7 major Codes published. Ms Pam MARSH was to chair the User Working Group and Workshop on Wednesday.

4.2.2 ARIB

Mr Masayoshi WAKAO presented 'ARIB Activities - Standardization for Radio Systems' (**GSC7 5**). He outlined the work flow of standardisation in Japan, the relationship of the

MPHPT, ARIB and the TTC. ARIB's current major activities include digital satellite and terrestrial TV broadcasting, sound broadcasting, Intelligent Transport Systems (ITS) and EMC.

4.2.3 ETSI

Mr Karl Heinz ROSENBROCK presented 'Report on general ETSI activities since GSC#6' (**GSC7 18**). There are now 660 members, 55 observers and 174 associate members of ETSI. A number of new technical bodies had been established and with many standards being developed. He noted some concern over incompatibility and wished for more 'music in the air' within standardisation development.

Last year saw the publishing of deliverables by ETSI, averaging one per hour, with a total of 7866 deliverables published. ISO 9002 certification, full electronic working, a new ETSI portal and website were notable events. 3GPP forms the largest part of the current activity and documents.

The contribution on Implementation of the 'ETSI IPR Policy' (**GSC7 34**), covering the IPR Information and Declaration forms and IPR database was noted for Tuesday's GSC7 meeting.

The contribution on 'Introduction to the new ETSI IPR Database' (**GSC7 35**) was also noted for Tuesday's GSC7 meeting. Mr ROSENBROCK described the new version 2 with its global architecture, noting that 2400 IPRs have now been registered.

4.2.4 Committee T1

Mr Ray HAPEMAN presented 'Committee T1 – An Update' (**GSC7 49**). Sponsored by ATIS and accredited by ANSI, Committee T1 has now produced 346 ANSI Standards and 212 other documents. He summarised the activities of all the Technical Subcommittee activities, noting changes to secretariat services over the last few years with virtual meeting capabilities proving to be extremely popular. Mr HAPEMAN spoke of the long term opportunity of ATIS proposing that the Engineering Committees of the TIA be moved into ATIS with the long term goal of integrating the standards development work in those Engineering Committees with the work in Committee T1.

Mr Asok CHATTERJEE presented 'T1P1 Activities on Radio Issues since RAST 9' (**RAST10 31**). His report presented brief descriptions on the activities pertinent to the GSC7/RAST10 High Interest Areas. The subcommittee continues to work closely with 3GPP, a member of the ITU's IMT-2000 family of technologies and on the evolution of GSM. Mr CHATTERJEE noted that surveillance and lawful interception is now at the forefront since 11 September. Other activities covered were those of Priority Access Services, Network Interworking, Cellular Text Telephony, Wireless Wideband Internet Access and Spectrum Issues for Future Wireless Expansion.

4.2.5 TIA

Mr Dan BART presented 'TIA Update since GSC6/RAST9' (**GSC7 52**). He noted that all TIA Engineering Committees have had active work programs since GSC6/RAST9, including work with the ITU, especially on IMT-2000, ITU Reform, IPR and Internet Protocol. The TIA worked with other PSOs in 3GPP2, and PSPP and its Project MESA, Mobility for Emergency and Safety Applications, with T1 on Joint Standards in several areas. and the involvement in Critical Infrastructure Protection and implementation of Presidential Decision Directive 63. Mr BART noted that 286 documents were processed

in 2000. Also of significance was the re-organisation of TIA, with the centralisation of all staff supporting SDO-only tasks and separation of standards development from trade association activities. Mr BART was promoted in January, 2001 to the new position of Senior Vice President, Standards and Special Projects and took on added responsibilities for an eAssociation initiative.

The contribution 'TIA's Updated IPR Policy' (**GSC7 39**) was noted for the Intellectual Property Rights GSC IPRWG meeting on Wednesday.

The submission 'TIA Update on Electronic Working Methods' (**GSC7 40**) was noted for the Electronic Working Methods GSC EWG meeting. The paper describes the continuation to modernise the TIA's Electronic Working methods, including the use of webcasting and web conferencing along with expanded use of wired and wireless LANs at meetings.

4.2.6 TSACC

Mr William McCRUM introduced Mr David CLEMIS who presented 'Report on TSACC Activities – 2000-2001' (**GSC7 20**). Current activities are the continuing work on the TSACC Information Highway Standards Roadmap, Internet governance with input into ICANN, the Canadian National Broadband Task Force with the release of the paper 'Beyond Connectedness: TSACC Report on Broadband Access', electronic commerce, security and privacy and conformity assessment. The 27th plenary of the TSACC saw the creation of the ENUM WG, the continuing emphasis on Internet protocol issues and preparations for the WRC.

Mr Douglas SWARD presented a brief overview of 'New Developments in Radio Spectrum Use and Standards in Canada' (**RAST10 20**) which was destined for Tuesday's RAST10 meeting.

4.2.7 TTA

Mr Chu-Hwan YIM presented 'Report on TTA Activities' (**GSC7 24**). Mr YIM stated that, last year, 113 standards covering telecommunications, radiocommunications (including broadcasting) and information technology were produced, bringing the total number of standards to 1219. Membership as of August 2001 is 146. The Strategy & Planning Special Committee reviewed the standardisation strategy of TTA in order to respond to recent global changes in the telecommunications business environment and their impact on standardisation. Mr YIM talked about the TTA's new web server at www.tta.org.kr which includes electronic management of the standardisation process, electronic balloting and electronic meeting facilities. He also discussed the survey on the utilisation of standards and the TTA's promotion of *de facto* standardisation. Major plans in the Year 2001 included the establishment of an Information Telecommunication Testing Center, the new TTA Office and an IT Standard Dissemination Information Service. Mr Horton congratulated Mr YIM, on his appointment as the 6th Secretary General of the TTA.

4.2.8 TTC

Mr Kenichi KITAMI presented 'TTC Activities' (**GSC7 23**). Mr KITAMI talked about the recent topics of telecommunications in Japan, including the start of the IMT-2000 service 'FOMA', the rapid increase of ADSL subscribers, now 650 000 and the downsizing of telecommunications industries in Japan. Other activities included the ETSI TIPHON meeting, the InterOp event on VoIP, the establishment of TC4 WG6 on ADSL and the continuation of IMT-2000 related standardisation. Organisational aspects include the introduction of electronic voting in Technical Assembly, the 'TTC Technical Specification'

as a new document type, the establishment of a Standardisation Strategy Planning Task Force and the introduction of paperless meetings.

Mr KITAMI's expectations of the GSC7 meeting included the identification of the next standardisation themes requiring international collaboration, information exchange on IPR, electronic working methods and maintaining close collaboration links among PSOs and the ITU for global standardisation.

4.3 Other organisations

4.3.1 ATM Forum

No submission received.

4.3.2 ISO/IEC/JTC1

Mr Peter WALSH, Standards Australia, as the liaison person for ISO/IEC/JTC1, presented 'Report from ISO/IEC JTC 1, Information Technology' (**GSC7 53**). The report summarised the activities of the subcommittees including work on wireless LANs and voice over IP private exchanges (SC6), personal identification systems including machine readable travel documents (SC17), DVD, DVD RAM and ROM (SC23), the coding of audio, picture, multimedia and hypermedia information (SC29) including the new MPEG-21 'Multimedia Framework' standard.

JTC 1 is cooperating with several industry consortia and forums through the PAS process to bring its work into the formal standardisation process. It has had a successful plenary period in terms of producing standards and improving its operations and is continuing to focus on its strategic direction and industry and user community awareness. JTC 1 published 122 international standards last year. The major focus will now be on introducing market-relevant projects and meeting delivery dates for standards. JTC 1 introduced the new category of 'Stabilized Standards' for existing products or servicing of equipment that is expected to have a long working life.

4.3.3 APT/ASTAP

Mr Jong-Soon LEE reported on the Asia-Pacific Telecommunity (APT). The Asia-Pacific Telecommunity STANDARDIZATION Program (ASTAP) was launched in 1998 to promote & coordinate expert activity in telecommunications standardisation across the Asia-Pacific region with Mr Bob Horton as the Chairman. There are now 11 Technical Expert Groups. Further information can be found at its website at <http://www.aptsec.org/astap>. Mr Bob Horton, ACIF, added that ASTAP is not just learning but is collectively progressing and developing collective ideas for input into the ITU in particular. An important focus is harmonisation in the application of standards. The potential market that ASTAP covers represents two thirds of the world including China and India.

4.4 Rapporteurs' reports on topics of joint interest from GSC6 and RAST9

- Mr Phillip DAVIDSON, ETSI, Rapporteur for GSC6 Resolution 4, presented 'ITU-T relationship with the 3GPPs' (**GSC7 2**). The meeting between 3GPP, 3GPP2 and the ITU took place in November 2000. The ITU was formally invited to participate in the leadership activities of 3GPP and 3GPP2. Mr DAVIDSON noted that the arrangements were favourable with all parties present enjoying good cooperation.

Mr Hong-Lim LEE, TTA, rapporteur for GSC6 Resolution 6 presented his paper on 'Summary Report (Collaboration for the Improvement of Meeting Results of GSC/RAST)' (**GSC7 60**). The report proposed to strengthen the follow-up of conclusions and resolutions reached at the GSC/RAST meetings, to designate rapporteurs and collaborators for each resolution, and to examine and develop improved collaboration mechanisms. A questionnaire was circulated to the PSOs during the year with only the TTC responding. Further responses from ETSI and T1 were coming and would be a subject of Tuesday's GSC7 meeting.

Mr Hajime YAMADA, TTC and rapporteur for GSC6 Resolution 9, presented 'Progress report of the IPR Working Group' (**GSC7 8**) and 'Progress report of the User Working Group' (**GSC7 9**). These contributions were intended for the Intellectual Property Rights GSC IPRWG meeting and the User Workshop on Wednesday respectively.

Mr Kazunori MATSUO, TTC, on behalf of Mr Tatsuo SHIBATA, the rapporteur for GSC6 Resolution 11, presented 'Report of GSC-EWG activity after GSC6' (**GSC7 10**). This contribution was noted for the Electronic Working Methods GSC EWG meeting on Wednesday.

5. USER-RELATED MATTERS AND ACTIVITIES

Ms Pam MARSH, ACIF, provided details on the User Workshop and User Working Group meeting to be held on Wednesday. Ms MARSH encouraged all to attend both sessions.

The submissions 'End-to-End Connectivity for Non-Voice Services' (**GSC7 3**), 'Japan steps forward to developing Accessibility Standards' (**GSC7 6**), 'Progress report of the User Working Group' (**GSC7 9**), 'User Interest in Standardisation: The Case of Korea' (**GSC7 28**), 'Building User Needs into the Process of Standards Making' (**GSC7 29**), 'Telecom Glossary 2000 as a Resource for Users' (**GSC7 42**), and 'Proposals from CTN Australia' (**GSC7 51**), were noted for Wednesday's meetings.

6. Conformity Assessment and Quality of Standards

No submissions received and no discussion at the meeting.

7. Update on Fora and Consortia

Mr. Kazunori MATSUO, TTC, presented 'TTC Survey Report on Telecommunication-related Forum's Activities' (**GSC7 11**), listing 103 forums, including 20 new forums and the removal of 15 forums, being either dissolved or merged. Mr MATSUO observed an increase of forums under the 'Others' category, showing diversification, with movement in interesting technical areas such as IMT-2000, DSL, Internet and Bluetooth. A summary report can be downloaded from <http://www.ttc.or.jp/e/committee/srpc/index.html>. This was complimented as a valuable reference document.

8. HIGH INTEREST AREAS COMMON TO GSC AND RAST

8.1 Mobility/IMT 2000

Mr Adrian SCRASE, ETSI, presented 'Report on 3GPP' (**GSC7 54**). 3GPP is now responsible for the delivery of W-CDMA, GPRS, EDGE and GSM. It is open to all national or regional SDOs and to an increasing number of Market Representation Partners. Observers, who are SDOs, have the qualifications to become future Organisational Partners. Mr SCRASE noted that modern working methods are employed, with the commitment to have wireless LANs for TSG meetings by March 2002. The Mobile Competence Centre has 27 full time personal with an annual budget of US \$6.5 million. Cooperation exists with ITU and with the IETF. The project plan, publicly assessable at <http://www.3gpp.org/Management/WorkPlan.htm> contains all the building blocks and work tasks. Specifications are groups into releases, with Release 99 now firmly established, Release 4 stable in March 2001 and Release 5 expected to be frozen by March 2002.

Mr Henri CUSCHIERI, TIA, presented '3GPP2 Update' (**GSC7 56**). 3GPP2 now comprises 88 individual member companies, a significant increase since the last GSC/RAST meeting. Outputs now total 155 specifications and reports. Mr CUSCHIERI talked about the external relationships with ITU and partnership projects, 3GPP harmonisation and collaboration and collaborative agreement with IETF. Technical developments include security, all IP, user identity modules and regional regulatory requirements.

Mr Peter DARLING suggested the submission 'End-to-End Connectivity for Non-Voice Services' (**GSC7 3**) be treated at Tuesday's GSC meeting.

Mr Patrick EMERY presented 'Global circulation of IMT-2000 terminals' (**RAST10 2**) describing recent Australian and Asia-Pacific regional developments on the global circulation of IMT-2000 terminals and related them to relevant international activities.

The submission 'Current Status and Future Development of ETC System in Japan' (**RAST10 8**) was not presented. Mr Bob Horton slated the submission for Tuesday's RAST meeting, commenting that it was a very interesting paper.

Mr Yoshihide ISHIDA, ARIB, proposed 'Current Status of ARIB's Activities on IMT-2000 and Systems beyond IMT-2000' (**RAST10 33**) for the RAST meeting.

The submissions 'Beyond IMT-2000 in Korea' (**RAST10 9**) and 'Considerations on air interface of future all IP based radio access networks' (**RAST10 9, 26**) were also noted for the RAST meeting.

Mr Dan BART, in the spirit of transatlantic cooperation, presented 'MESA – Beyond 3G for Public Protection and Disaster Relief' (**RAST10 12**) on behalf of Steffen RING, ETSI.

Mr Alain RICHARD, ETSI, presented 'Standardization activities for the Satellite Component of IMT2000' (**RAST10 19**). Mr RICHARD noted that the S-UMTS/IMT2000 Working Group is the focal point within ETSI for liaising with the relevant bodies inside and outside ETSI on matters concerning the development of standards for Satellite-UMTS/IMT 2000 including, internally, Technical Committees MSG, TMN, SPAN and TIPHON and externally, with 3GPP, ITU-R SG8 WP 8D, ITU-T SG 11 and ERC PT 1.

Ms Jane BROWNLEY, TIA-USA presented 'TIA Engineering Committee TR-45' (**RAST10 28**) which provided the current status of the TR-45 2001 Workplan active projects, a comparison of TR-45 versus 3GPP2 Work Items, a TR-45 Feature Summary and the 3G capability requirements descriptions.

8.2 Internet Protocol Issues

Mr Shin-Gak KANG, TTA, presented 'Harmonization of standardization work on end-to-end

QoS service control protocols' (**GSC7 16**) encouraging the ITU-T, IETF, and relevant PSOs, for a and consortia to coordinate their ongoing standardisation works for developing harmonized deliverables that provide end-to-end QoS control service to the multimedia applications. Mr KANG encouraged the relevant standards bodies to accelerate their standardisation works, so they can be applied to the current VoIP services, to provide enhanced QoS services to users.

Mr William McCRUM, TSACC, presented 'Broadband Access Initiatives in Canada' (**GSC7 21**) The Broadband Access Initiatives contribution summarizes the result of studies performed by the National Broadband Task Force (NBTF) in Canada. The recommendations in the paper are part of the NBTF review and were not intended as GSC recommendations. Mr McCRUM invited the GSC to consider adding broadband access as a new interest area, and to promote actions via the standards bodies to accelerate provision of broadband access to those who are currently broadband-deprived. It was noted that any recommendations would need the government-related text removed.

Mr William McCRUM, TSACC, on behalf of Keith KNIGHTSON, presented the submission 'Next Generation Networks' (**GSC7 22**). The submission identified a number of standards-related issues arising from the transition towards Next Generation Networks. Mr McCRUM noted that emerging technologies can have disruptive impacts on previous technologies. There is a need for SDOs to collaborate on new standards issues where work can proceed under a NGN umbrella rather than defining specific solutions.

Mr Jun Kyn CHOI presented 'Optical Information Infrastructure on IP-related Issues in Korea' (**GSC7 25**) which examined the impact of optical technology on the IP-related issues. Mr CHOI proposed that PSOs support ITU-T's leading role in future standardisation activities on the optical information infrastructure (OII).

Mr Alistair URIE, ETSI, presented 'TIPHON Release 3' (**GSC7 31**). The TIPHON group is planning to approve Release 3 this November. The paper provided a detailed description of the content of TIPHON Release 3.

Mr URIE also presented 'Standardisation Strategy for NGN' (**GSC7 32**) which considered a proposed list of key NGN standardisation topics for future coordinated work, being: architecture and protocols; end-to-end QoS; service creation, control and customisation, presence and roaming; network management for NGN; lawful interception and security. Mr URIE noted that a global partnership may not be appropriate but a number of parallel partnerships might be.

Mr Dan BART, TIA presented 'A Compendium of "Internet Protocol (IP) Telephony" Related Standards Work Mapped to the WTPF Opinion D Group of Experts Outline of Technical Issues' (**GSC7 37**) and the TIA-focused contribution 'Updated compendium of IP-related work activities within the Telecommunication Industry Association (TIA)' (**GSC7 38**).

Mr Wayne ZEUCH, T1, presented 'Status Report on IP Performance' (**GSC7 43**), which provided Committee T1's contributions to the international work on performance standards for IP, including historical work, current work efforts including work on IP QoS Classes in draft new Recommendation Y.1541.

Mr LEE, TTA, presented 'Considerations on air interface of future all IP based radio access networks' (**RAST10 23**) which provided the technical issues relating to the enhancement of the air interface in a future IP-based radio access network.

It was agreed that all late papers would be forwarded directly to GSC & RAST meetings on Tuesday 6th November.

9. INFORMATION SHARING SUBJECTS FOR GSC AND RAST

Mr Alistair URIE presented 'Proposed New Topic for GSC: Terminals standards' ([GSC7 19](#)), which proposed the initiation of a GSC new high interest subject for Telecom Terminals, derived from Resolution RAST 9/7 on Telecommunications Equipment Compliance. Mr URIE noted that with the advent of the European R&TTE Directive, the ETSI standards on Terminals & Network Terminations are no longer directly in the European Telecom-specific regulation area. Interest has been identified from market partners to use them as basis for global standards. Mr URIE saw this as an opportunity and suggested that this could be a High Interest Subject where the GSC and RAST could work collaboratively.

9.1 Identification and Location Services

Ms Bridget NAGEL presented 'Mobile Identification and Location Services' ([GSC7 7](#)). The contribution described experience in Australia with identification and location services. It was suggested at the GSC6/RAST9 meeting as a suitable area for information sharing. The Australian Communications Authority, through its Emergency Services Advisory Committee, has commenced investigation of the range of multiple positioning techniques. Privacy concerns regarding commercial as opposed to emergency uses have also been flagged as a concern.

Mr Adrian SCRASE presented 'Status of Location based services in Europe' ([GSC7 36](#)). The approaches are well documented in 3GPP. Mr SCRASE noted that there is an emerging regulatory environment, including the mandatory MOLI delivery under certain circumstances. To complement and facilitate the political discussions, the European Commission has set up a Coordination Group on Access to Location Information by Emergency Services. It was concluded that no one solution is sufficient for all needs but at the moment no modifications of the standard were anticipated.

Mr Dan BART presented 'Regulatory Status of Enhanced 911' ([GSC7 41](#)). The submission discussed the work being done by the TIA in supporting the FCC's mandatory regulatory program for location information for E911 calls.

Ms Jane BROWNLEY presented 'Location Services - Standards Status Report' ([GSC7 57](#)), reporting on the status of the TIA Engineering Committee TR-45 Location Services Standards, including Wireless Intersystem Technology, Spread Spectrum Digital Technology, Time Division Digital Technology and Analog Technology Standards.

9.2 Spectrum allocation (Radio, Digital Subscriber Lines)

Mr Peter DARLING, ACIF, presented 'ACIF activities since GSC6' ([GSC7 4](#)) which included the ACIF work on Digital Subscriber Line Standards and Codes.

Mr Kazunori MATSUO, TTC, presented 'xDSL Standardization Work' ([GSC7 12](#)) covering the work by TC4 WG6 and SWG4-6-5.

Mr Jung Yul CHOI, TTA, presented 'xDSL deployment in Korea' ([GSC7 17](#)) covering the status of xDSL deployment in Korea and the xDSL study group activities in TTA.

Mr Hwang-Jae RHEE, TTA, presented 'EMC Issues for the Powerline Communication in Korea' (**RAST10 10**) describing the activities to follow up the RAST Resolution 9/6 on electromagnetic compatibility (EMC) in cable systems. Mr RHEE invited further consideration on possible mechanism for PSOs to share the information on EMC issues and standardisation activities of Powerline Communication .

Mr Wayne ZEUCH, T1, presented 'Status Report on Digital Subscriber Lines (xDSL)' (**GSC7 50**) summarizing the Digital Subscriber Line work activities in Committee T1's Technical Subcommittee T1E1, including work completed, in progress and in plan. Mr ZEUCH highlighted work on spectrum management, HDSL, and VDSL.

Mr Dan BART, TIA-USA, presented 'RAST-9 and actions emanating from it' (**RAST10 34**). The paper summarised the actions by the PSOs resulting from the resolutions and is provided for the attention of the members.

CLOSE OF JOINT OPENING PLENARY OF GSC7/RAST10

Mr Horton indicated that a Heads of Delegations meeting was scheduled for Wednesday 7th November, partly to assist development of a top down strategic approach to GSC matters taking into account issues such as current and future High Interest Subjects, new areas of study, themes, better ways to cooperate, special groups and ITU reform. Mr David CLEMIS had kindly agreed to moderate the strategy session of that meeting.

The GSC7/RAST10 meeting adjourned at 4.45 pm., 4 November 2001.

GSC7/RAST10 CLOSING PLENARY, THURSDAY 8TH NOVEMBER 2001

Mr Horton began the joint closing plenary of GSC7/RAST10 at 8:30 am. He reminded members that in the spirit of cooperation, the resolutions arising from the previous two days from both the GSC and RAST were being brought to this session for joint endorsement. If there were any sensitive or polarised issues that may not be able to be endorsed by both bodies, then separate GSC or RAST resolutions would need to go forward.

On behalf of the organisation, he also extended an apology to the members of RAST for problems with obtaining a venue for the second RAST plenary required on Wednesday. He noted that sufficient accommodation should be planned at the next joint meeting and thanked the RAST members for their endeavours and perseverance.

12 FUTURE INTERNATIONAL ACTIVITIES

This Agenda Item was brought forward to the beginning on Thursday's meeting to cater for the unavailability of some members for the afternoon session. Agenda Items 10 and 11 follow subsequently.

12.1 ITU reform

Three presentations on ITU reform were delivered by Mr Malcolm JOHNSON, ETSI, Mr Bruce GRACIE, TSACC and Mr Houlin ZHAO, ITU.

Mr JOHNSON, ETSI, presented 'ITU Reform' (**GSC7 59**), providing an informal perspective on the ITU. As an introduction, Mr JOHNSON noted that the ITU is an inter-governmental organisation of 190 countries, being the only world-wide organisation with competence to regulate the radio frequency spectrum. It has technical expertise through wide participation of private sector.

Mr JOHNSON noted that it is a critical time for the ITU with challenges coming from convergence, globalisation, liberalisation, the involvement of other international bodies, resource limitations and resistance to change. The ITU must reform to remain relevant. Issues that are in need of addresses are its role, management and human resources, participation of Sector Members and Member States and the satellite filing backlog. Greater flexibility in working methods including project oriented working. Work should not to be restricted to Study Groups, with further decentralisation, more emphasis on regional activities with more meetings in the regions. There needs to be increased ITU-R & T collaboration. Mr JOHNSON's personal view was that he was disappointed in the output of the reform group to date. PP-02 will be a critical conference with changes needing to be made.

Mr Bruce GRACIE, TSACC, the Chair of the Council Working Group to review finance, provided a financial operations overview. Cost recovery is being utilised within ITU. The financial plan, including how budgets are allocated, will be critical.

Mr Houlin ZHAO, Director TSB in the ITU, noted his appreciation of the good input from the ITU reform group at the WTSA . Mr ZHAO noted that the ITU is not good at promotion activities and that it was absolutely important that it needs to promotes itself to avoid the apparent misconceptions. There were currently four pilot forum models. Mr ZHAO highlighted the importance for industry to input into the strategic plan through TSAG.

Mr Dan BART, TIA, raised the important issue of regional promotion and the provision of space for SDOs at exhibitions.

Mr Gary FISHMAN, ITU Chairman of TSAG, noted from a TSAG perspective that the Assemblies are relatively infrequent. TSAG meets every nine months and has now been given more power to act between WTSAs to meet the need for continuing change.

Mr Ray HAPEMAN, T1, noted that voting problems are usually of a technical nature and are not political. Mr Alistair URIE, ETSI, added that although voting is sometimes important, progress is mainly through consensus.

Mr Malcolm JOHNSON asked of the benefit in raising GSC & RAST awareness in the ITU. Mr Houlin ZHAO, ITU, noted that this is the last chance to input for the November TSAG meeting.

12.2 ITU Plenipotentiary Conference

The participants were informed that the sixteenth Plenipotentiary Conference of the ITU will be held in Marrakesh, Morocco from 23 September to 18 October 2002.

12.3 Other international activities

No submissions received.

10 REPORTS AND PROPOSALS FOR DECISION

10.1 Report from GSC

Mr Peter DARLING presented 'GSC Report' ([GSC7 401](#)) and 'Resolution and Proposed HIS' ([GSC7 402](#)) from the GSC NGN Drafting Group. The meeting had reviewed the current HIS based on the contributions that were received and the PSO Activity Reports.

Noting the lack of contributions received, the GSC meeting had proposed that the High Interest Subject (HIS) **IN, Wireless IN, Virtual Home Environment, Open Services Architecture** be discontinued, but that the work on Open Services architecture should be included in a future HIS. *The plenary agreed for IN, WIN, VHE & OSA to be discontinued as a HIS.*

The HIS of **Telecommunication Management Networks** should be re-cast to cover more general network management and operations, particularly in the framework of Next Generation Networks.

The meeting discussed **Networks Using IP**, including the TTA proposal to harmonise E.164 and IPv6 ([GSC7 54](#)). The GSC meeting had agreed that it should be a topic for appropriate experts within the PSOs to consider. Linkage would be needed with work in the IPv6 Forum and IETF. *The plenary agreed on a watching brief of E.164 and IPv6, with the experts to share information and encourage dialogue with the IETF.*

The GSC meeting had agreed that the majority of the work on **Bearer Independent Call Control** had now been completed and was commended as a successful example of collaboration. The HIS should not continue, with future enhancements possibly covered within the NGN work. *The plenary noted the success of the BICC HIS and agreed for it to be discontinued.*

The meeting proposed to designate **Broadband Access** as a continuing ISS. *The plenary agreed for Broadband Access to continue as a ISS (to be RESOLUTION GSC714) and the possibility for it to become an HIS in the future.*

The GSC meeting had agreed with the TTA proposal for continued support of the work on **Optical Transmission Networks** within the ITU framework, noting the need for coordination within ITU-T and that it should be continued as an ISS. *The plenary agreed for Optical Transmission Networks to continued as an ISS, acknowledging the importance of the work.*

The GSC meeting had recommended **Terminal Equipment Standards** as a new ISS. It was observed that with better harmonisation of regulatory environments, more collaborative work may be possible. *The plenary agreed for Terminal Equipment Standards to become a new ISS, suggesting that this subject may have relevance to both GSC and RAST.*

The meeting considered **information security** against cyber terrorism, noting that many of the topics raised were outside the scope of the GSC. Those areas falling within GSC competence would be addressed under the NGN HIS on security. *The plenary agreed for the subject of information security, within the competence of the GSC, to be incorporated under the NGN resolution.*

The rapporteur's report on **GSC6 Resolution 6** 'Collaboration for the Improvement of Meeting Results of GSC/RAST' was discussed and whilst there had been some success, much was still to be done. This report has been a major input to the strategy review by the Heads of Delegation meeting. The meeting thanked the Rapporteur, Mr LEE for his work. Further discussion and the resolution is recorded under Agenda Item 11.

After initial discussion at the GSC meeting, Mr McCURUM (TSACC) chaired a group to develop a new structure for the set of proposed High Interest Subjects (HISs) to cover the **Next Generation Networks** framework. The six new HISs represent a direction as significant as GII. The ETSI submission was recognised as a key document. Annexes to the proposed resolution detail the individual HIS definitions and could evolve without impacting the resolution. *The plenary recommended for user mobility, end user perception of QoS, numbering & addressing to be added to the definitions. The plenary agreed to the six new HISs (to be RESOLUTION GSC711).*

The GSC and RAST plenary jointly endorsed both the HIS and the ISS packages as presented, with the modifications as proposed during the discussions.

To mobilise the resolutions, it was recommended that rapporteurs and interested PSOs need to be identified and for PSOs to nominate their single point of contact. The generosity of ETSI in its collaborative efforts was noted. Mr Alistair URIE indicated that he will be the ETSI contact and will collect nominations during the rest of the meeting. The progress is to be reviewed at a proposed first Heads of Delegation teleconference to be held between physical GSC/RAST meetings.

The original concept for the basis of distinction between a HIS and an ISS was discussed and reconfirmed:

High Interest Subjects represent opportunities for collaborative working among the PSOs.

Information Sharing Subjects provide the opportunity to exchange information on common areas of interest. They can also represent a major area of work between meetings.

10.2 Report from RAST

Mr Reg COUTTS presented 'RAST 10 Meeting Summary' (**RAST10 409**). The Rapporteur Groups considered new and revised HISs, including Standards for Fixed Wireless Access, Public Protection & Disaster Relief, Pervasive Radio and Generic regulation of radio-based devices and Measurement Uncertainty. Further discussion covered the proposed name change of RAST to GRSC, trusted informative web sites, a user group on EMR hazards, software defined radio for the future pending sufficient interest and the proposed RAST (or GRSC) management 'troika' to provide a transition for the meetings with the outgoing Chair becoming the vice-Chair.

Drafting Group 1 proposed to establish a HIS on **public safety and disaster relief** (*to be RESOLUTION RAST10/1*).

Drafting Group 2 proposed adoption of policies, work approaches, standards adoption and collaboration in the areas of **compliance regimes, equipment mobility and spectrum/market mechanisms** (*to be RESOLUTION RAST10/2*).

Drafting Group 3 proposed various activities to facilitate liaison in relation to **human health effects of radiofrequency exposure**. ETSI noted it had no competence in this area and did not support the resolution as originally drafted, and there was some discussion about the best form for the outcome of the meeting. A small group met over the lunch period, and redrafted the text in a form that was accepted by the Plenary meeting. It was agreed that this revised text should be issued in the form of a Resolution (*to be RESOLUTION RAST10/3*).

Drafting Group 4 proposed the establishment of the **Global Radiocommunication Standardisation Collaboration (GRSC)** (*to be RESOLUTION RAST10/4*). Recognising the work carried out by RAST and the benefits gained from common working methods, areas of interest and terminology, a basis for stronger collaboration between GSC and RAST could be established. A history of the RAST and the rationale for the RAST to GRSC transition is to be included. All documentation is to be updated with the new name.

Drafting Group 5 proposed for the development and harmonisation of **wireless access and broadband wireless systems standards** in order to promote the availability of low-cost terminal equipment (*to be RESOLUTION RAST10/5*).

Drafting Group 6 proposed for the identification of **new wireless technologies** and applications that would benefit from new spectrum allocations and other regulatory tasks for the World Radiocommunication Conferences and to also bring them to the attention of Regional organisations such as APT, CEPT, and CITEC (*to be RESOLUTION RAST10/6*).

Drafting Group 7 proposed for the promotion and encouragement of standardisation for **broadband Intelligent Transport Systems (ITSs)** in the areas of traffic improvements, public safety applications, telematics, ITS Road Access, Public Safety and Disaster Relief and the Project Mobile and Emergency Services Application (*to be RESOLUTION RAST10/7*).

Drafting Group 8 proposed the establishment of a new ISS on **measurement uncertainties in Radio and Terminal Equipment** (*to be RESOLUTION RAST10/8*). This was noted as an important and timely resolution, noting the level of discomfort regarding mutual recognition and which may benefit future recognition agreements.

The GSC and RAST plenary jointly endorsed all the RAST resolutions, incorporating the redrafting as outlined above.

Mr Karl Heinz ROSENBROCK proposed for the GSC to take the opportunity, in the spirit of cooperation and coordination, to consider a similar name change to that proposed for RAST/GRSC. The meeting agreed to the establishment of the **Global Telecommunications Standardisation Collaboration (GTSC)** as a successor to the current GSC formulation. A small group was established to draft an appropriate resolution.

10.3 Report from Users Group

Ms Pam MARSH presented 'User Workshop Report' (**GSC7 406**). Ms MARSH reported that a lively meeting had been held with good feedback from the participants. Ms MARSH talked about some of the main issues of discussion, including that an appropriately resourced consumer input would strengthen global standards development making it more responsive to consumer needs. It was noted that there were considerable challenges and barriers facing consumers in the structure, culture and practices of the international technical standards setting community. New standards may lead to unanticipated problems or complexities for the general public. Ms MARSH proposed that the promotion and encouragement of the concerns and interests of users be discussed in all PSOs and international collaboration between consumer and end user groups to contribute to international standardisation processes. Ms MARSH also proposed that the GSC consider creating a charter of consumer involvement in standards making that describes the commitments, goals and action plans of PSOs.

The GSC and RAST plenary jointly endorsed the user interest in standardisation resolution, incorporating the redrafting to address the modifications as proposed during the discussions (to be RESOLUTION GSC 7/3).

10.4 Report from Intellectual Property Rights Group

Mr Dan BART presented the 'Report of GSC IPRWG' (**GSC7 410**). There were participants from the ITU-T, ACIF, APT, ETSI, T1, TIA, TSACC, TTA, TTC and Mr IRMER, meeting for two hours to review the contributions. There was a demonstration of the on-line access to the ETSI IPR database, with oral updates from other PSOs. The majority of discussion was on Guidelines for treatment of Copyright on Software Code used in Recommendations and standards. Mr BART recommended for IPR to continue as an ISS.

The report and recommendation was jointly endorsed by GSC and RAST plenary. It was also suggested for future GSC/RAST meetings to be conducted by wireless LAN as a desirable objective.

10.5 Report from Electronic Working Group

Mr Kjell STRANDBERG presented the 'EWG Report' (**GSC7 409**). The GSC EWG held a four hour session to exchange experience from development and use of electronic working tools in the PSOs and the ITU. The session included an on-line demonstration of the Collaborative Portal recently developed by ETSI and a presentation of the webcasting equipment used by TIA. Mr STRANDBERG noted that in consideration of the importance of electronic working tools in improving the efficiency and effectiveness, and reducing the cost of standards making, it was agreed to initiate focussed information exchange activities after this meeting. Each PSO was invited to appoint active members of the Group to work by correspondence. A new email exploder and website, hosted by ETSI, will provide the focal point for the activities.

10.6 Report from any other groups

No other groups held meetings.

11. FUTURE GSC/RAST WORKING METHODS

The plenary meeting had previously endorsed the establishment of the GRSC (**RESOLUTION RAST10/4**). The meeting received the report of the Drafting Group looking at the establishment of the GTSC, and after some editorial changes to align both resolutions the plenary meeting agreed to **RESOLUTION GSC7/2** establishing the GTSC. Following a suggestion by Mr Rosenbrock, it was also agreed to retain the GSC acronym as the reference to the meeting events.

Mr David CLEMIS presented 'HoD Strategic Issues Discussion' (**GSC7 403**). The Heads of Delegation identified four major themes; exchange of standards development information, bringing added value to subsequent GSC and RAST meetings, promoting the benefits of working through PSOs and to provide guidance in the hosting of future GSC and RAST events. It was proposed to hold teleconferences and use them as mileposts. A Heads of Delegation teleconference meeting, proposed for June 2002 could be used as a checkpoint.

Mr Hong-Lim LEE's paper on 'Summary Report (Collaboration for the Improvement of Meeting Results of GSC/RAST)' (**GSC7 60**) was considered in Monday's plenary under Agenda Item 4.4. It was observed that Resolution GSC 6/6 was supposed to address the issue of more effective working methods but had not been followed through.

The strategy meeting had considered the GSC6 resolution on future working methods. It was noted that the use of electronic working tools has proved to increase efficiency and effectiveness, and reduce the cost of the standards making. ETSI offered to continue to host the email reflector; also to establish and maintain a simple web site on electronic working methods. PSOs were encouraged to use the email reflector for discussion and exchange of information. Invitations are to be forwarded to the ITU, liaison organisations (ATM-F, IETF, ISO/IEC JTC1) and observers (APT) to contribute. Each PSO would assign a representative to participate in the email reflector.

*The recommendation was jointly endorsed by plenary meeting (to be **RESOLUTION GSC 7/5**).*

11.1 Proposals to cooperate better with PSOs, the ITU, the IETF and other organisations

No submissions received.

11.2 Proposals to avoid unnecessary parallel work

No submissions received.

11.3 Future International activities

Agenda Item 12 on ITU reform and the ITU Plenipotentiary conference is recorded in these Minutes before Agenda Item 10.

13. FUTURE GSC & RAST JOINT ACTIVITIES

Covered under Agenda Item 15.

14. REPORTS / COMMUNIQUÉS

A summary of the resolutions approved is given below. The full text of the resolutions is contained in [ANNEX A](#) or [GSC7 411 / RAST10 412](#). In addition, it was agreed, when appropriate, to have a rapporteur to follow up on the implementation of the resolutions. Rapporteurs were to be nominated by discussion between the PSOs shortly after the meeting.

Resolution #	Title	Rapporteur
GSC7/1:	Next Generation Networks (NGN)	
GSC7/2:	Establishment of the Global Telecommunication Standardisation Collaboration (GTSC)	
GSC7/3:	User interest in Standardisation	
GSC7/4:	Broadband Access Standards	
GSC7/5:	Future working methods	

Resolution #	Title	Rapporteur
RAST10/1:	Identification of new High Interest Subject: Public safety and disaster relief	
RAST10/2:	Compliance regimes, equipment mobility, spectrum and market implications	
RAST10/3:	Facilitating liaison in relation to human health effects of radiofrequency exposure	
RAST10/4:	Establishment of the Global Radiocommunication Standardisation Collaboration (GRSC)	
RAST10/5:	Standardisation for wireless access and broadband wireless systems	
RAST10/6:	Identification of Agenda Items of World Radiocommunication Conferences that are of interest to Participating Standards Organisations	
RAST10/7:	Standardisation for Broadband Intelligent Transport Systems (ITS) Radiocommunication	
RAST10/8:	Identification of new Information Sharing Subject: Measurement uncertainties in Radio, Terminal and transmission Equipment	

The proposed text for the Communiqué was approved with editorial modification and is given in [ANNEX B](#).

15. FUTURE MEETINGS

The Heads of Delegation teleconference was scheduled for 18 June 2002 at 1100 UCT.

The meeting accepted an invitation from TSACC to host next joint GSC (GRSC/GTSC) meeting in Ottawa, Canada, May 5-9, 2003, at a time of kinder weather rather than a date which was exactly 15 months from the Sydney meeting. Mr McCrum voiced his appreciation for the opportunity to host the meeting. The meeting is to be paperless, and there was some

discussion about the possible use of a wireless LAN in addition to the facilities provided at previous meetings. Mr Bob Horton thanked TSACC on behalf of the meeting for its generous offer, and indicated he was looking forward to the famed Ottawa Tulip Festival.

A GRSC teleconference was proposed to be held in April -May 2002. At that time it is to be ascertained whether a physical meeting before May 2003 would be needed.

16. OTHER BUSINESS

Mr Dan BART informed the participants that the TIA took the opportunity at this meeting to renew its cooperation agreement, initially signed in 1991, with the ETSI for another three years.

Mr Ray HAPEMAN informed the participants Committee T1 also took the opportunity to sign Cooperation Agreements with the TTC and with ACIF, formalising collaborative relationships on standards development activities.

17. MEETING CLOSURE

Mr Bob Horton thanked all the participants for the accomplishments over the meeting. Mr Horton added that it had been a pleasure the chair this meeting and he thanked and congratulated ACIF for hosting the event, noting the considerable effort involved. Mr Horton finally added that he was looking forward once again to TSACC hosting the next meeting and to seeing everybody there.

Annex	Contents	Document
ANNEX A	Full text of GSC and RAST resolutions	GSC7 411V1 RAST10 412V1
ANNEX B	Communiqué	Communique.doc
ANNEX C	List of Documents	GSC7 413V1
ANNEX D	List of Attendees	
ANNEX E	HIS PSO Contacts	
ANNEX F	ISS PSO Contacts	