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| **Document Title:** | GSC-20 Meeting Agenda |
| **Source:** | GSC-20 Chairs: Prof. Abhay Karandikar(TSDSI), Dr Kumar Sivarajan (TSDSI)  |
| **Vice-chairs:** | Dr Konstantinos Karachalios (IEEE), Dr Bilel Jamoussi (ITU) |
| **Version** | GSC-20\_001 (Rev. 15)Submission/Revision date: 26 April 2016 |

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| **Tuesday, 26 April 2016 (Willow Hall, India Habitat Centre)** |
| **Time** | **Agenda Item** | **Subject** | **Official / Speaker** | **Organization** | **Document** |
| 08:00 -0930 |  | GSC 20 HoD meeting |  | GSC Delegation HoDs |  |

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| **Tuesday, 26 April 2016 (Gulmohar Hall, India Habitat Centre)** |
| **Time** | **Agenda Item** | **Subject** | **Official / Speaker** | **Organization** | **Document** |
| 09:30-10:00 |  | **Registration** |
| 10:00 -10:40 | 1 | **Session #1: Welcome and Opening Remarks** |
| 1.1 | Welcome (5 minutes) | Dr Kumar Sivarajan, Chairman | TSDSI | GSC20\_Session#1\_Welcome |
| 1.2 | Opening remarks (5 minutes) | Prof. Abhay Karandikar,Vice Chairman and Director General | TSDSI | GSC20\_Session#1\_OpeningRemarks |
| 1.3 | Special Address (10 minutes)  | Dr Aruna Sharma,Secretary, Electronics & IT | Department of Electronics and IT (DeitY) | GSC20\_Session#1\_SpecialAddress |
| 1.4 | Keynote Address (10 minutes) | Mr J S Deepak, Secretary (T), DoT | Department of Telecom (DoT) | GSC20\_Session#1\_Keynote |
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| 10:40 - 11:10 | **Coffee Break (Gulmohar Bridge)** |
| 11:10 -13:15 | 1 | **Session #1 (cont’d): Opening Session (cont’d)**  |
| 1.6 | Approval of Agenda (4 minutes) | Prof. Abhay Karandikar,Vice Chairman and Director General | TSDSI | GSC-20\_001 (Rev 13)-Agenda |
| 1.7 | Summary of GSC-19 (10 minutes) | Dr Bilel Jamoussi, ITU/TSB Chief of SGD | ITU | GSC20\_Session#1\_GSC19\_summary |
| (for info) | List of participants (4 minutes) | Prof. Abhay Karandikar,Vice Chairman and Director General | TSDSI | GSC20\_002\_participants |
| 2 | **Session #2: Guest Member presentations** |
|  | Guest member presentations (8 minutes each) | Dr. Klaus Pendl, Counselor (ICT), EU Delegation to India | EC | GSC20\_Session#2\_Guest\_EC |
| Mr. Lars Nielson, General Manager | GCF | GSC20\_Session#2\_Guest\_GCF |
| Mr Philip Kidner, CEO | TCCA | GSC20\_Session#2\_Guest\_TCCA |
| 3 | **Session #3: GSC Task Force Presentation** |
|  | Presentation from Emergency Communications Task Force Group (10 minutes) | Dr. Kohei Satoh,Executive Manager on Standardization | GSC EM  | GSC20\_Session#3\_EM\_TF |
| 4 | **Session #4: GSC Member Presentations (6 minutes each)** |
| 4.1.1 | Priorities of ARIB  | Dr. Kohei Satoh, Executive Manager on Standardization | ARIB | GSC20\_Session#4\_Priorities\_ARIB  |
| 4.1.2 | Priorities of ATIS  | Ms. Susan Miller, President & CEO | ATIS | GSC20\_Session#4\_Priorities\_ATIS |
| 4.1.3 | Priorities of CCSA | Ms. Zhiqin Wang, Chairperson of TC5  | CCSA | GSC20\_Session#4\_Priorities\_CCSA |
| 4.1.4 | Priorities of ETSI | Mr. Luis Romero, Director General | ETSI | GSC20\_Session#4\_Priorities\_ETSI |
| 4.1.5 | Priorities of IEC | Mr. Frans Vreeswijk,IEC General Secretary & CEO | IEC | GSC20\_Session#4\_Priorities\_IEC |
| 4.1.6 | Priorities of IEEE | Dr. Konstantinos Karachalios, Managing Director | IEEE | GSC20\_Session#4\_Priorities\_IEEE |
| 4.1.7 | Priorities of ISO | Mr. Kevin McKinley, Acting Secretary General  | ISO | GSC20\_Session#4\_Priorities\_ISO |
| 4.1.8 | Priorities of ITU | Dr. Bilel Jamoussi, ITU/TSB Chief of SGD | ITU | GSC20\_Session#4\_Priorities\_ITU |
| 4.1.9 | Priorities of TIA | Mr. Scott Belcher, CEO | TIA | GSC20\_Session#4\_Priorities\_TIA |
| 4.1.10 | Priorities of TTA | Dr. KyuJin WEE, Vice President  | TTA | GSC20\_Session#4\_Priorities\_TTA |
| 4.1.11 | Priorities of TTC | Mr. Yoichi MAEDA, CEO & SVP | TTC | GSC20\_Session#4\_Priorities\_TTC |
| 4.1.12 | Priorities of TSDSI | Prof. Abhay Karandikar, Vice Chairman and Director General | TSDSI | GSC20\_Session#4\_Priorities\_TSDSI |
| 4.2 | **Discussions & Session Summary** |
| 13:15 - 14:15 | **Lunch Break (Willow Foyer for HoDs and Gulmohar Bridge for Participants)** |
| 14:15 - 15:20 | 5 | **Session #5: Strategic Topic #1: IoT** Facilitated by IEC/ISO (Mr Gilles Thonet, IEC Head of ICT Standards Coordination)  |
| 5.1 | Agenda and Overview (10 minutes) | Mr Gilles Thonet, IEC Head of ICT Standards Coordination | IEC |  |
| 5.2 | Invited Guest Presentations (10 minutes each)  | Mr. Francisco Da Silva, Board Member (Smart Appliances) | ETSI  | GSC20\_Session#5\_IoT\_Francisco\_ETSI |
| Mr Srikanth Chandrasekaran, Director Standards and Technology, India Office (Overview of P2413) | IEEE  | GSC20\_Session#5\_IoT\_Srikanth\_IEEE |
| Mr. Vimal Mahendru, IEC SMB Member & Legrand India President, (Smart Energy & IoT) | IEC | GSC20\_Session#5\_IoT\_Vimal\_IEC |
| Dr. Russell Shields, Ygomi (Connected Vehicles)  | TIA | GSC20\_Session#5\_IoT\_Russell\_TIA |
| Mr Mitesh Patel, TCS (Smart Manufacturing) | TSDSI | GSC20\_Session#5\_IoT\_Mitesh\_TSDSI |
| Dr Bilel Jamoussi, ITU/TSB Chief of SGD (IoT and Smart Cities) | ITU | GSC20\_Session#5\_IoT\_Bilel\_ITU |
| 15:20 - 15:50 | **Coffee Break (Gulmohar Bridge)** |
| 15:50 -17:00 | 5 | **Session #5 (cont’d): Strategic Topic #1 (cont’d): IoT** Facilitated by IEC/ISO (Mr Gilles Thonet, IEC Head of ICT Standards Coordination) |
| 5.3 | Panel Discussion of GSC members (55 minutes):Panelist#1: Mr. KiYoung, Research Fellow, LG Electronics (TTA)Panelist#2: Mr. Francisco Da Silva, Board Member (ETSI)Panelist#3: Mr. Hiroshi HAMANO, Director General I3C (TTC)Panelist#4: Mr Srikanth Chandrasekaran, Director Standards and Technology, India Office (IEEE)Panelist #5: Mr Norbert Bensalem, IBM (ISO/IEC)Panelist #6: Mr Scott Belcher CEO (TIA)Panelist#7: Dr. Farrokh Khatibi, Qualcomm (ATIS)Panelist#8: Mr. Sunil Tandon, Head, OTT Business -Tata Teleservices (TSDSI)Panelist #9: Mr Vimal Mahendru, SMB Member (IEC) |
| 5.4 | Conclusions (15 minutes) |  | IEC/ISO |  |

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| 19:00 - 22:00  | **Tuesday, April 26, 2016, Dinner Reception (Jacaranda Hall , IHC )** |

| **Wednesday, 27 April 2016 (Gulmohar Hall, India Habitat Centre)** |
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| 09:00 -10:25 | 6 | **Session #6: Strategic Topic #2: 5G** Facilitated by IEEE/TSDSI (Mr Bruce Kraemer, IEEE-SA President & Dr Kumar Sivarajan, Chairman,TSDSI) |
|  | 6.1 | Agenda and Overview (10 minutes) | Mr Bruce Kraemer, IEEE–SA President | IEEE/TSDSI |  |
|  | 6.2 | Invited Guest Presentations (10 minutes each) | Mr Erik Guttman 3GPP SA Chairman (3GPP work on 5G) | ETSI | GSC20\_Session#6\_5G\_Erik\_ETSI |
| Dr. Chih-Lin I, Special Advisor (Rethink Front-haul for UCN) | IEEE | GSC20\_Session#6\_5G\_Chih\_IEEE |
| Mr Sandeep Gupta, Sr. VP (SAE), Bharti Airtel (Spectrum Issues) | TSDSI | GSC20\_Session#6\_5G\_Sandeep\_TSDSI |
| Dr. Fran O’Brien, Cisco (ATIS 5G Initiative) | ATIS | GSC20\_Session#6\_5G\_Fran\_ATIS |
| Mr. Takaharu Nakamura, Acting Chair, Technical Committee of 5GMF (5G - Applications & Systems Perspective),  | ARIB | GSC20\_Session#6\_5G\_Takaharu\_ARIB |
| Mr Colin Langtry, ITU/BR Chief of SGD (Roadmap to IMT-2020 and WRC-19) | ITU | GSC20\_Session#6\_5G\_Colin\_ITU |
| Mr. Klaus Moschner, Senior Programme Manager | NGMN | GSC20\_Session#6\_5G\_Klaus\_NGMN |
| 10:25 - 10:55 | **Coffee Break (Gulmohar Bridge, IHC)** |
| 10:55 -12:00 | 6 | **Session #6(cont’d) : Strategic Topic #2 (cont’d): 5G** Facilitated by IEEE/TSDSI (Dr Kumar Sivarajan) |
| 6.3 | Panel Discussion of GSC members (55 minutes)Panelist#1: Dr. Kyujin WEE, Vice President, TTAPanelist#2: Dr. Jamshid Khun-Jush, Board Member (ETSI)Panelist#3: Mr. Masaomi SUMITA, Director Standardization, TTCPanelist#4: .Dr. Chih-Lin I, Special Advisor (IEEE)Panelist#5: Prof. Bhaskar Ramamurthy, Honorary Director, CEWiT (TSDSI)Panelist#6: Mr. Takaharu Nakamura, Acting Chair, Technical Committee of 5GMF (ARIB)Panelist#7: Dr. Fran O’Brien, Cisco (ATIS) Panelist#8: Mr Ed Tiedemann, VP, Qualcomm (TIA)Panelist #9: Dr Bilel Jamoussi, ITU/TSB Chief of SGD (ITU) |
| 6.4 | Conclusions (10 minutes) | Dr Kumar Sivarajan, Chairman | TSDSI |  |
| 12:00 -13:00 | 7 | **Session #7 - Organizational Issues: Role of Small & Medium Business Enterprises (SMBs) in Standardization activities**Facilitated by TSDSI (Prof. Rekha Jain) |
| 7.1 | Agenda and Overview (7 minutes) | Prof. Rekha Jain, Governing Council Member | TSDSI |  |
| 7.2 | Invited Guest presentations(7 minutes each)  | Mr. Vishwa Kayargadde, Saankhya Labs  | TSDSI | GSC20\_Session#7\_SMB\_Parag\_TSDSI |
| Dr. KyoungCheol KOO Director (Common difficulties of SMEs in Standardization and Case Study in Korea)  | TTA | GSC20\_Session#7\_SMB\_KCKoo\_TTA |
| Dr Bruce Gracie, ITU-T TSAG Chairman (SME Focus in ITU) | ITU | GSC20\_Session#7\_SMB\_BruceGracie\_ITU |
| 7.3  | Panel Discussion of GSC members (30 minutes):Panelist#1: Dr. KyoungCheol KOO (KC KOO), Director (TTA)Panelist#2: Mr. Kazunori MATSUO, Director International Affairs (TTC)Panelist#3: Mr. Dirk Weiler, Board Chairman (ETSI)Panelist#4: Ms. Stephanie Montgomery, Vice President, Technology & Standards (TIA)Panelist#5: Mr. Vimal Mahendru, SMB Member (IEC) |
|  | 7.4 | Conclusions | Prof. Rekha Jain, Governing Council Member | TSDSI |  |
| 13:00 -14:15 | Lunch Break (Willow Foyer for HoDs & Gulmohar Bridge for Delegates) |
| 14:15 -16:15 | 8 | **Session #8 : Strategic Topic #3: Security & Privacy**Facilitated by ISO/IEC (Mr Henry Cuschieri, ISO Technical Group Manager) |
| 8.1 | Agenda and Overview of ISO/IEC JTC1 &SC27 (8 minutes) | Mr Henry Cuschieri, ISO Technical Group Manager | ISO |  |
| 8.2 | Invited Guest Presentations (8 minutes each)  | Ms. Laura Lindsay, SC 27 Expert (ISO/IEC JTC 1 security-related activities) | ISO/IEC | GSC20\_Session#8\_Security\_Laura\_ISOIEC |
| Prof. HeungYoul YOUM, Professor, SoonChunHyang University(Introduction to PIMS certification scheme in Korea) | TTA | GSC20\_Session#8\_Security\_HeungYoul\_TTA |
| Mr. Masashi ETO, TTC Information Security WG member(Standardization for IoT/ITS security) | TTC | GSC20\_Session#8\_Security\_ Masashi \_TTC |
| Dr. Somitra Sanadhya, Asst Prof., Indraprastha Institute of Information Technology Delhi (IIIT)(Security and Privacy for cloud computing) | IEEE  | GSC20\_Session#8\_Security\_ Somitra \_IEEE |
| Mr. Vikram Tiwathia, DDG, COAI (Security and Privacy requirements in Potential Verticals/Sectors) | TSDSI | GSC20\_Session#8\_Security\_ Vikram \_TSDSI |
| Mr Iain Sharp, ATIS (ATIS Cybersecurity initiative) | ATIS | GSC20\_Session#8\_Security\_ Iain \_ATIS |
| Dr Lara Srivastava, ITU/TSB Counselor(Trust) | ITU | GSC20\_Session#8\_Security\_ Lara \_ITU |
| 8.3 | Panel Discussion of GSC members (45 minutes)Panelist#1: Prof. HeungYoul YOUM, Professor, SoonChunHyang University (TTA)Panelist #2: Ms. Laura Lindsay, SC 27 Expert (ISO/IEC JTC1)Panelist #3: Mr. Masashi ETO, Information Security WG member (TTC)Panelist#4: Mr. Simon Hicks, GA Chairman (ETSI)Panelist#5: Mr. Iain Sharp (ATIS)Panelist#6: Mr. Narendra Nath, Dy. DG (Security), DoT (TSDSI) Panelist#7: Mr.Deepak Maheshwari, Director, Government Affairs, India & ASEAN for Symantec (IEEE-SA) |
| 8.4 | Conclusions (10 minutes) |  | ISO |  |
| 16:15-16:30 | **Coffee Break (Gulmohar Bridge, IHC)** |
| 16:30 -17:30 | 9 | **Session #9: Closing session** |
| 9.1 | Report from HoD meeting  | Prof. Karandikar, HoD | TSDSI | GSC20\_Session#9\_HoD Report\_ Abhay\_TSDSI |
| 9.2 | Approval of Press Release |  |  | GSC20\_Session#9\_PressRelease\_Amit\_TSDSI |
| 9.3 | Next Meeting: GSC-21  | Dr Konstantinos Karachalios, Managing Director | IEEE |  |
| 9.4 | Any Other Business |  | TSDSI |  |
|  | 9.5 | Concluding remarks  | Dr Kumar Sivarajan, Chairman | TSDSI |  |
|  | 9.6 | Closing of meeting | Prof. Abhay Karandikar, Vice Chairman and Director General | TSDSI |  |