



UTC - Global Advisory Council

JRC Autumn Seminar 13th September 2017

Utilities Technology Council Global Focus on Utility Information and Communications Technology

Mission

UTC is the source and resource for information and communications technology (ICT) solutions, collaboration, and advocacy for utilities and other critical infrastructure industries.

Market Focus

- Sector: energy, water, gas/oil pipelines, and other critical infrastructure providers. Supported by technology partners/ecosystems



A Global Advisory Council which is Member Driven

- Chair/Vice Chair
- President/Vice President
- UTC Support Staff



GAC – Structure Within UTC

UTC Board (Total 26)

- Chair, Vice-Chair, Secretary/Treas
- Immediate Past Chair
- President/CEO & Assistant Sec/Treas
- Chair of the 10 Division, Councils & Committees
- Chair of the Leadership Advisory Council
- 4 Chairs from the GAC members
- 5 At-large Directors

**Global
Advisory
Council (GAC)**

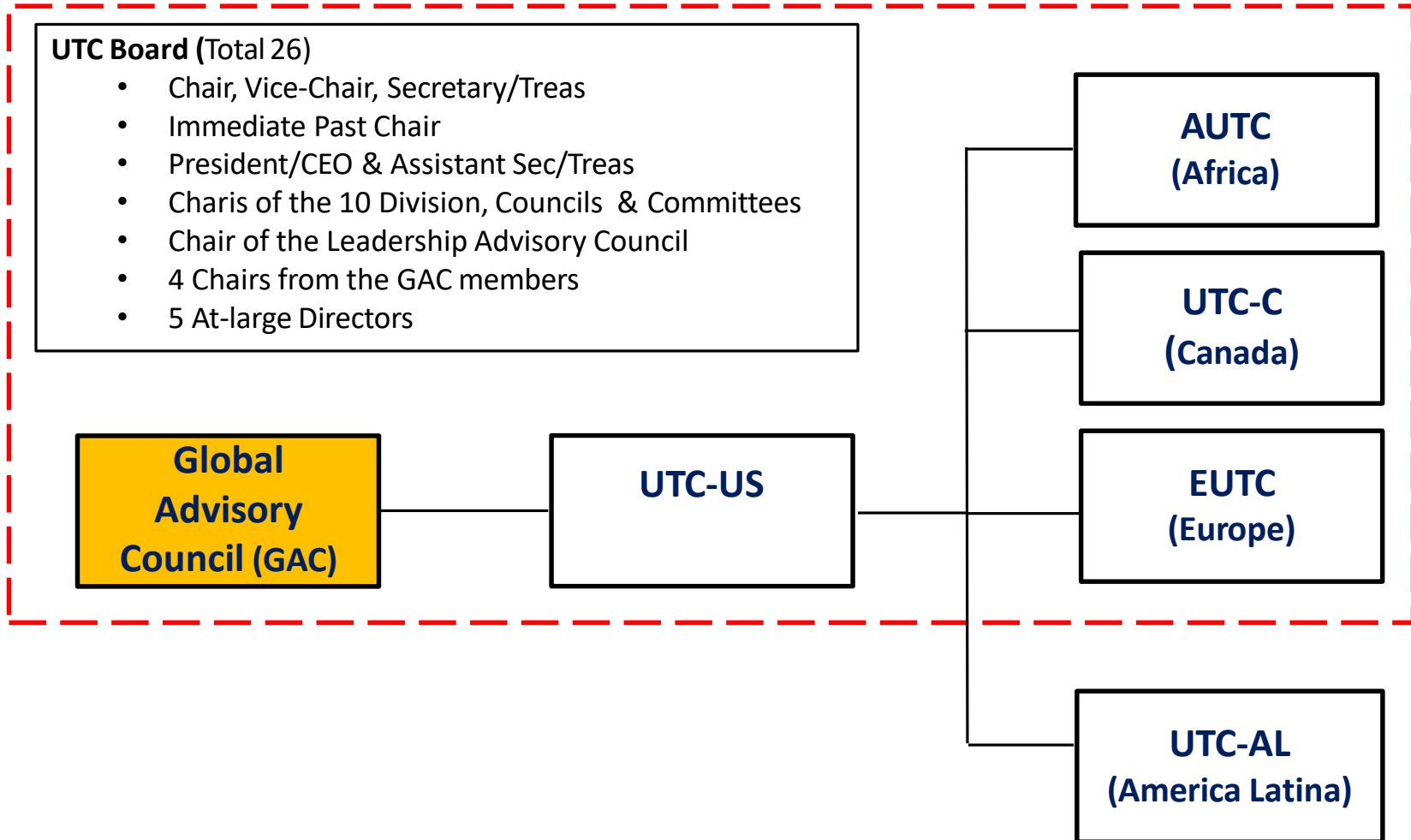
UTC-US

**AUTC
(Africa)**

**UTC-C
(Canada)**

**EUTC
(Europe)**

**UTC-AL
(America Latina)**



Global Advisory Council

Convened in November 2013 to consider how international collaboration could best bring value to all UTC members – utilities & associates.

Formally incorporated at the February 2014 UTC Board of Directors Meeting

Governed by an agreed set of UTC Operating Principles, key points:

- Chaired by an international region Chairman/President, changed each year, current chair is Dr Andreas Breuer, Chair of EUTC
- Members are Chair/President - Vice Chair/Vice President of each international region and President/CEO of UTC plus UTC support staff
- Acts only in an advisory capacity – cannot set dictate policy to international regions – to further knowledge and interests of UTC members globally

Global Advisory Council

Leadership agreed on an initial four programmes:

- Packet Networks /IP Working Group
- An international sharing forum on cyber security
- The development of Utility Telecom Networks Key Performance Indicators (KPIs)
- Coordination of efforts to secure new wireless spectrum to support smart energy/utility networks

Each should have representation from each region

Where appropriate – there are a set of Terms of Reference for programme

New Spectrum for Smart Networks

New wireless spectrum to support smart energy/utility networks

- Utilities are not recognised at ITU or World Radio Congress (WRC) as users of wireless spectrum
- Energy companies around the world recognise they will need new spectrum to support smart networks
- Utilities everywhere will face the similar problems in getting access

UTC's decided to co-ordinate our international efforts to acquire new spectrum:

- UTC Canada had some success in gaining access to new spectrum around 2008
- EUTC (with JRC Support) had been working with European Commission since 2008 and had produced a number of important reports and studies looking to the 400 – 470 MHz bands
- The arguments created by EUTC were recognised by UTC in USA
- With the launch of UTC AL in 2013, advocacy relating to new spectrum became a core service for that new organisation

Co-ordinating Proposals for New Spectrum

In Europe - EUTC

- Started a spectrum group in 2008, focused on the Telecom Directorate in the European Commission and continues to work within the EC today
- Progress with the EC is very slow due in part to the lobbying effect of Europe's large Telecom Operators

So EUTC turned to:

- European Telecom Standards Institute (ETSI) and has been actively participating in several working groups. An ETSI Technical document has been completed and this is now being updated into an ETSI System Reference Document
- In support of the ETSI activity, EUTC is also working in European Conference on Post & Telecom (CEPT) and is active in CEPT FM54 group promoting the argument for utility spectrum



European Conference of Postal and
Telecommunications Administrations



Utilities
Technology
Council™

utc.org

Co-ordinating Proposals for New Spectrum

UTC Global Council Task Force:

- Created a repository for all relevant reports, papers and documents from all regions
- Host four meetings to update members on activities in each region

In North and South America

- In 2014 UTC identified the spectrum activities within Inter-American Telecommunication Commission (CITEL)
- In August 2015, UTC sponsored a meeting of CITEL PCCII in Ontario, Canada, the meeting decided to set up an Electronic Communications Group to study spectrum needs of energy and utility organisations
- This group is supported by expert resources from within the three UTC international regions: UTC, UTC Canada & UTC America Latina
- UTC will host a full one day utility spectrum workshop at CITEL PCCII meeting in Bogota, Columbia in November 2017



Co-ordinating Proposals for New Spectrum



Africa UTC

- UTC/EUTC been working in southern Africa since 2011.
- Africa UTC formed in November 2015 – spectrum group convened in ????
- Objective is to support spectrum requirements for utilities in region although initial focus is on ICASA, regulator for South Africa
- Intention is to seek and engagement with CRASA and subsequently the ATU

UTC has developed a three pronged approach through regional groups looking towards International Telecommunications Union (ITU) and the 2019 World Administrative Conference (WRC)

Whilst supporting and coordinating the work of these international groups we also researched opportunities for UTC to engage directly with the ITU

UTC & The ITU



Two options were identified:

- Sector membership with access to:
 - ITU-T Standardisation
 - ITU-D Development
 - ITU-R Radiocommunications – Space & Terrestrial Services
 - Possibility UTC could qualify for fee exempt status but recent changes for qualification rules that out
- Associate Status:
 - Access to one ITU Group, ITU-R
 - Will provide access to ITU-R Study Group 5 Terrestrial Mobile Services >30MHz, and specifically WP5A
 - Lower annual membership fee
 - Application must be made through an existing country jurisdiction

UTC & The ITU



The way forward:

- Meeting of Global Council next week to:
 - Confirm we will seek associate status
 - Create a draft budget for FY2018/2019 including costs associated with time, travel & accommodation to attend SG5 meetings and to support work within SG5, WP5A
- Expert resources for work in WP5A will drawn from UTC utility membership across the regions
- Where appropriate, we will seek support from UTC associates in the vendor community
- Analyse which jurisdiction will be most beneficial to all of UTC members
- Proceed with an application by end of 2017