

# Information on Communications Alliance Working Committees



## **WC72 : New Cellular and IMT Customer Equipment Requirements Working Committee**

**Please note: EXPRESSIONS OF INTEREST FOR THIS WORKING COMMITTEE MUST BE RECEIVED BY 5.00PM, 20 November 2015**

**Due to the need to progress these matters quickly, late applications will not be accepted and extensions will not be granted.**

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### **1 About Communications Alliance**

Communications Alliance is the primary telecommunications industry body in Australia. Its membership is drawn from a wide cross-section of the communications industry, including carriers, carriage and internet service providers, content providers, search engines, equipment vendors, IT companies, consultants and business groups.

Its vision is to provide a unified voice for the telecommunications industry and to lead it into the next generation of converging networks, technologies and services. The prime mission of Communications Alliance is to promote the growth of the Australian communications industry and the protection of consumer interests by fostering the highest standards of business ethics and behaviour through industry self-governance.

For more details about Communications Alliance, see <http://www.commsalliance.com.au>.

### **2 Communications Alliance Working Committees**

Each Communications Alliance Working Committee is directly responsible for the content of specific work assigned to it, such as the drafting of Standards, Industry Codes and Guidelines. Working Committees are established to perform an area of work identified by the relevant Reference Panel or Advisory Group.

Working Committees will meet regularly and are required to provide progress reports. Members would be expected to contribute substantial time outside formal Working Committee meetings.

Working Committees are established for the duration of a specific task and are disbanded once the task is completed. Members are selected to provide effective representation of the industry and community sectors relevant to the Committee's subject area. For example, a Customer Equipment Standard can only deal with issues pertaining to sections of the industry which have the opportunity to input into its development.

### 3 Terms of Reference of the WC72 : New Cellular and IMT Customer Equipment Requirements Working Committee

The **WC72 : New Cellular and IMT Customer Equipment Requirements** Working Committee has been established to perform an area of work identified by the Customer Equipment and Cable Reference Panel (CECRP). This Committee in carrying out the specific terms below is to observe the following guidelines, as appropriate:

- to ensure that all existing and new mandatory requirements are consistent with ACMA's power to make technical standards under s376 of the *Telecommunications Act 1997* and that their inclusion is appropriate when considering those powers.
- to adopt international/overseas Standards and Australian Standards (AS and AS/NZS) wherever possible, recognising the changeability, applicability and testability of those Standards.
- to only develop mandatory requirements where no international/overseas Standards or Australian Standards (AS and AS/NZS) exist or where national deviations to international/overseas Standards and Australian Standards are required.
- to review the references to AS/CA Standards and other industry and regulatory Standards and documents.
- to follow the Guidelines for developing Standards for Customer Equipment and Customer Cabling.

Specifically the Working Committee is to carry out a revision of new cellular and IMT Customer Equipment requirements for the AS/CA S042.1:2015 **Requirements for connection to an air interface of a Telecommunications Network — Part 1: General** Standard.

The scope of the Standard which captures PMTS-connected Customer Equipment needs to be reviewed with the aim to be wireless access technology agnostic where possible. This is in recognition that the user experience should be independent of the wireless technology that the terrestrial telephony service is being delivered over.

The AS/CA S042 Standard is intended to ensure that PMTS-connected customer equipment meets the following objectives in relation to emergency call access:

- that the handset has the necessary capability to allow an end-user to make an emergency call; and
- that end-users are aware (indicated by the handset, typically via a screen display) of the ability to make an emergency call.

The revision is to include consideration of how AS/CA S042.1 can ensure these objectives are met in relation to emerging wireless technologies and use/ network connection scenarios. The types of technologies and use/connection scenarios that will be considered include:

1. Voice over LTE (VoLTE) services which are PMTS, are switched via the IMS and do not use Circuit-Switched Fallback (CSFB) for call completion, noting that a

potential issue is that due to technical reasons, some of the initial C/CSP LTE network deployments in Australia may not be able to support:

- emergency calls over VoLTE; or
- emergency camping by VoLTE CE in a limited service state.

These limitations also impact on the ability of Customer Equipment to be able to fulfil the display requirements in the current version of AS/CA S042.1.

2. Voice over Wi-Fi (VoWiFi) services which are PMTS and are switched via the IMS taking into account international developments including work that is underway in ETSI 3GPP on VoWiFi call handover between accessible Wi-Fi cells and GSM/3G/LTE cells. Issues to be considered include:
  - whether VoWiFi emergency calls can be handed over between an accessible Wi-Fi cell and another accessible Wi-Fi cell when a VoWiFi CE is moving between the two cells; and
  - whether VoWiFi services can meet the PMTS definition, which is based on inter-cell handover, as per s32 of the *Telecommunications Act 1997*.
3. ISIMs (IP Multimedia Services Identity Modules) used to authenticate VoLTE subscribers on the IMS.

There is an expectation that changes to AS/CA S042.1 arising from these technologies may have a substantive impact on the current structure of the Standard and may require a new approach in how mobile CE requirements are specified under the Australian regulatory regime and how to maintain alignment with international Standards into the future. However, the review of AS/CA S042.1 needs to use the obligations in ACMA's Emergency Call Services (ECS) Determination as the starting point for determining the carriage services that are notionally covered by this Standard.

Specifically, the activity should address the following:

- *Section 2 - Scope*: To be updated as required to include new technologies such as VoLTE, VoWiFi and ISIMs.
- *Section 4 - References*: ETSI specifications to be updated to Release 12 versions.
- *Clause 5.2*: Changes to the mobile identity requirements in line with the latest 3GPP requirements where a different identity (such as ISIMs) is defined for VoLTE.
- *Section 6 - Testing*: To be updated as required to include new technologies such as VoLTE, VoWiFi and ISIMs.

The revision is to include a change to the compliance arrangements for the acoustic safety requirements in Clause 5.1 (specifically the maximum sound pressure level) to allow the option for compliance by way of a manufacturer's DoC.

The Working Committee is not to include in the review the following requirements:

- Customer Equipment used in connection with a Satellite Service (Clause 5.3).
- the provision of power-fail advice (Clause 5.4).

- acoustic safety, accept for the change to the compliance arrangements as stated above (Clause 5.5).

**Primary deliverables**

- a revised version of the AS/CA S042.1:2015 **Requirements for connection to an air interface of a Telecommunications Network — Part 1: General** Standard

**Supporting deliverables**

- documented responses to comments received during the public consultation process.
- a recommendation on the application date and transitional period of the Standard.

The project milestones of the Working Committee are:

<b>Milestone</b>	<b>Targets</b>
<b>Approval to start</b>	November 2015
<b>Public comment start</b>	August 2016
Public comment close	September 2016
Ballot start	November 2016
Ballot close	November 2016
<b>Approval for publication</b>	December 2016
Publication	December 2016

**4 Membership of the Broadcast Cabling and Digital Equipment Working Committee**

**WC72 : New Cellular and IMT Customer Equipment Requirements** Working Committee members will be selected to ensure adequate representation of industry and consumer interests. Members need not be members of Communications Alliance and may include representatives from regulatory bodies.

Membership will be assessed on the basis of achieving/ensuring appropriate and balanced representation of interested, affected sectors. In the interests of achieving a workable sized committee, the lodging of an Expression of Interest does not guarantee membership on the **WC72 : New Cellular and IMT Customer Equipment Requirements** Working Committee.

Membership of Communications Alliance Working Committees is restricted to one voting member per organisation. Additional members from an organisation are able to nominate as participating members. Unlike voting members, participating members will not be eligible to participate in any vote in the Working Committee, unless authorised by the voting member in their absence.

The Working Committee constituency by sector is:

Sector
Carrier
Supplier: Equipment/Cable
Testing laboratory

## 5 Role of Working Committee Members

Members of the **WC72 : New Cellular and IMT Customer Equipment Requirements** Working Committee are required to:

- participate in Working Committee meetings;
- where possible, ensure that an 'alternate' representative from your organisation is able to attend meetings in your absence;
- contribute to the content development and drafting of the proposed AS/CA S042.1 **Requirements for connection to an air interface of a Telecommunications Network— Part 1: General** Standard;
- assist in the preparation of project reports, where necessary;
- assist with the public review process of the proposed draft AS/CA S042.1 **Requirements for connection to an air interface of a Telecommunications Network— Part 1: General** Standard; and
- vote on the publication on the completion of the content development at the end of the project.

## 6 Consumer/Community Representative Travel Costs

Communications Alliance will consider on a case by case basis the payment of travel costs associated with the attendance of consumer/community representatives at Working Committee meetings. Wherever possible, meetings will be held by teleconference and other electronic means.

## 7 Expressions of Interest

### Please note:

If you have previously been nominated for the **WC72 : New Cellular and IMT Customer Equipment Requirements** Working Committee through a consumer organisation, you need not lodge an Expression of Interest.

Expressions of Interest for Working Committee membership must include:

- Statement of relevant experience, why you are interested in participating in the Working Committee and which group you are representing (if any);
- Brief resume outlining your experience; and
- Completed and signed nomination form.

Expressions of Interest for the **WC72 : New Cellular and IMT Customer Equipment Requirements** Working Committee should be lodged, preferably by email, with:

Mike Johns, Project Manager, on  
e-mail [m.johns@commsalliance.com.au](mailto:m.johns@commsalliance.com.au)

Alternatively, Expressions of Interest can be forwarded to:

**WC72 : NEW CELLULAR AND IMT CUSTOMER EQUIPMENT REQUIREMENTS  
COMMUNICATIONS ALLIANCE  
PO Box 444  
Milsons Point NSW 1565**

Queries can be directed to the Project Manager by email or alternatively via:  
telephone (02) 9959 9111 or facsimile (02) 9954 6136.

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