



## Liaison Statement

<b>Liaison Statement Title:</b>	GSMA's Minimum Wi-Fi Terminal Capabilities Test cases
<b>Security Classification:</b>	Non-confidential

Source Meeting Information		
Meeting Number	Meeting Date	Meeting Location
TSGWI#46	9 <sup>th</sup> Dec 2013	Conference Call

Document Details		
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Originating GSMA Source:	Deadline for response:	Liaison Statement Contact
TSG Wi-Fi Group	31 <sup>st</sup> March 2014	pgosden@gsma.com

Action Required by Recipient	
Internal Recipients:	GSMA TSG – For information only
External Recipients:	WFA, WBA & IMTC – See Below

## 1 Summary

The GSMA Terminal Steering Group (TSG) published the Recommendations for Minimum Wi-Fi Capabilities of Terminals Version 2.0 (TS.22), in September 2013. The TSG now plans to assess availability of supporting Test cases and seeks feedback from relevant industry bodies.

## 2 Background

WLAN has become a standard option for radio access in mobile devices. However, mobile terminals have varying degrees of WLAN support, resulting in diverse user interfaces, level of standards support and feature capabilities with respect to the terminal and operating system. This in turn leads to resistance from end users and customers to use WLAN, and difficulty for network operators to achieve a consistently effective WLAN data offloading service. As well as preventing the benefits of offload, this can cause customer complaints, brand damage etc.

In 2011, the GSMA TSG initiated research into key principles for the support of usability, authentication, connection management and performance handling on the terminal, and started work to derive and deliver functional recommendations for the client/terminal/OS based on standards published by a range of other industry bodies. The first version of the resulting specification, [TS.22, version 1.1](#) was released in March 2013.

## 3 Recommendations for Minimum Wi-Fi Capabilities of Terminals, version 2

Following the publication of version 1.1, the TSG Wi-Fi group members, comprised of experts from operators and vendors around the globe, agreed on updates, considering technical and market developments as well as related standards work. The group enhanced the technical recommendations as well as the document organisation and delivered the *Minimum Wi-Fi Capabilities of Terminals Version 2.0 (GSMA TS.22)*, published by GSMA on 20<sup>th</sup> September 2013 at <http://www.gsma.com/newsroom/technical-documents/> .

The document consolidates terminal requirements based on network / connectivity use cases (captured in the Annex), WLAN experiences from operators and further discussions with the TSG operator and vendor membership. This document outlines a *minimum* set of Wi-Fi capabilities to be supported by WLAN enabled terminals covering authentication, security, connection management and usability requirements.

This version additionally includes alignments with WFA certification programmes, enhancements to WLAN policy provisioning, connection management, security, power management and parental control related requirements. In addition the document structure and organisation has been significantly enhanced in version 2.0 to facilitate easier usage.

TS.22 version 2.0 serves as a baseline for operators defining their respective terminal requirements and for vendors' implementations. It also provides inputs to further specification work in 3GPP, WFA, WBA and OMA related to connection management, network support and network operation.

## 4 Moving Forward

The TSG Wi-Fi group now plans to start work on assessing availability of supporting test cases and –where missing – will consider to generate or support definition of test cases complementing the “TS.22 Minimum Wi-Fi Terminal Capabilities v2” and TS.22 Version 3, which is also currently under development. Therefore one aspect of this work is to establish which tests are already available to the industry and what and where new work is required. Also GSMA TSG hopes to understand how it could work with your organisation to achieve this.

## 5 Interest to Collaborate/Actions required

GSMA TSG has a strong interest to closely cooperate with the industry groups which drive this testing. When the GSMA TSG Wi-Fi Group has collated testing information received from multiple industry groups in response to this liaison, we plan to use it identify missing test cases and seek ways to provide them.

To this end, GSMA TSG would be pleased if you would:

- review the attached TS.22 v2.0
- identify the sections where you already provide related testing
- provide references to your test specifications for each of the requirements for which you already have a defined test case

We welcome your feedback to this liaison, kindly requesting a response by the end of March 2014.

## 6 Next TSG Wi-Fi Meetings

TSGWIF#49: 10 March 2014, Conference Call

TSGWIF#50: 8-10 April 2014, F2F meeting, Atlanta

## 7 About GSMA TSG

The TSG is an established working group within the GSMA that is tasked to coordinate and drive terminal related matters in GSMA and beyond. The TSG membership has grown to over 65 companies covering the operator, hardware and chipset vendor community worldwide. It has three focus areas:

1. The sharing of terminal related information
2. The alignment of terminal recommendations (and further input to other fora as applicable)
3. The alignment of field and lab test cases

## **8 Contact**

In case of further questions and/or feedback to the attached draft input document, these can be directed to Paul Gosden, GSMA Director for TSG [pgosden@gsma.com]

## **9 Appendix**

GSMA Minimal Wi-Fi Capabilities of Terminals, (TS.22) version 2 as published on 20<sup>th</sup> September 2013.