Title:	MMS over 3GPP Interworking WLANs
Response to:	-
Release:	Rel-6
Work Item:	WLAN

Source:	SA2
To:	T2, OMA TP, IETF LEMONADE
Cc:	SA3

Contact Persons:

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Attachments: TS 23.234 V6.0.0

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1. Overall Description:

The attached Technical Specification, TS 23.234, has been developed within 3GPP SA WG2, detailing the architectural aspects of 3GPP system to Wireless Local Area Network (WLAN) interworking. TS 23.234 has been approved by SA #23.

TS 23.234 includes the capability for the WLAN User Equipment (UE) to establish IP connectivity with the 3GPP network in order to access certain 3G services. Hence, the WLAN UE can access at least those services that only require IP connectivity. SA WG2 considers the Multimedia Messaging Service (MMS) as such a service, but would like to confirm that this is the case.

SA2 has noticed that MMS specifications refer to both a WAP-based and an IP-based implementation of the UE to MMS server interface (MM1), the former relying on OMA protocols and the latter presumably intended to be based on the ongoing work in the IETF LEMONADE working group to optimise protocols such as IMAP for wireless links.SA2 would like to know what is the status of these two implementations and which
would be most appropriate for use for UEs connected over WLAN in Release 6.

SA2 understands that these implementations assume a secure connection to the IP network, such as that provided by GPRS or equally the capabilities for tunnelled access to external IP networks defined in TS 23.234. SA2 would like to know whether any work is ongoing to specify protocols that would be suitable for use over insecure networks, such as Internet access as provided by the capabilities for Direct IP network access also described in TS23.234.

2. Actions:

To T2, OMA and IETF LEMONADE:

SA WG2 requests T WG2, OMA and IETF LEMONADE to review the TS 23.234, and to comment
1. What is the status of the two MM1 implementations (WAP-based or IP-based) and which would be most appropriate for MMS support over WLAN ?
2. Whether they consider the architecture and procedures described in TS 23.234 enable a WLAN UE to send and receive MMS while connected to a Public Land Mobile Network (Home or Visited) via a–WLAN which supports interworking with a 3GPP system (an Interworking WLAN or I-WLAN) using the procedures for tunnelled access to external IP networks ? Also, whether they see any difference in this respect between the WAP-based and IP-based implementations ?
3. Whether they foresee any work needed on specifications under their control to enable this, and if so, what timescales are foreseen for the completion of this work ?
4. Whether any work is ongoing to allow these protocols to be used over insecure networks, such as the Internet ?

To T2:

SA2 requests T2 to comment on whether they foresee any impact on the existing functionalities (e.g. for charging, security and addressing) available to an operator when an MMS is sent or received while connected to the GPRS network, in case the user is also connected via I-WLAN ?

3. Date of Next SA2 meetings:

SA2 #40	17th– 21st May 2004	Sophia Antipolis, France
SA2 #41	16th – 20th August, 2004	Montreal, Canada