

3GPP TSG-SA WG2 Meeting #44.  
Budapest, Hungary. 26th Jan. - 2nd Feb. 2005.

Tdoc S2-050430

**Title:** RE:LS on Control of simultaneous accesses for WLAN 3GPP IP access  
**Release:** Rel-6  
**Work Item:** WLAN Interworking  
  
**Source:** SA2  
**To:** SA3  
**Cc:** CN1, CN4

**Contact Person:**

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**Attachments:** None.

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SA2 thanks SA3 for their liaison statement on the problem of simultaneous accesses in WLAN 3GPP IP access (scenario 3).

SA2 would like to ask for clarification on the approach provided in the liaison:

SA2 understands that unlimited access to WLAN resources should not be permitted for a single subscription. However, SA2 understood that a single subscriber may have more than one device, which is covered by a single subscription, and that this was supported by SA3 own work on USIM sharing (e.g. via Bluetooth). In such case, for instance, two devices using the same subscription may want to access the network via the same W-APN at the same time.

Another possible use case of two instances of IKE SAs for a single W-APN is if pre-authentication is used in a mobility scenario, i.e. to set up a new IKE SA in parallel to reduce the time of interruption.

**Question 1:** SA2 would like to ask for clarification on what type of "fraud" that SA3 would like to prevent in this case.

**Question 2:** The approach in the liaison is to provide a simple Boolean flag to indicate if the W-APN tunnel is active. In our discussions in SA2, the idea was put forward that perhaps a simple counter could be used instead. In this approach, the same W-APN could be used more than once, but a limit would exist (as configured by the operator) which would not allow more than this number of IKE SAs. Such approach would be more future proof and allow for use cases as described above and still being under operator control. Would this modification be acceptable to SA3?

Fraud is always a very serious problem, and cannot be permitted. SA2 would appreciate feedback on these questions so we can correct any problems with minimal impact on the existing functionality.

**Actions:**

SA2 kindly asks SA3 for feedback on these questions.

**Date of Next TSG-SA2 Meeting:**

SA2#45	4-8 April 2005	Beijing, China
SA2#46	9-13 May 2005	Athens, Greece
SA2#47	27 Jun – 1 July 2005	US