

July 6 - 9, 2004

Acapulco, Mexico

June 8, 2004

To: 3GPP-SA3 committee

From: Terry Bourk, Chair of Bluetooth Architecture Review Board

We have reviewed your Liaison Statement, LS S3-040197, which included three proposed alternatives for the EAP-SIM authentication. We are willing to explore your preferred approach as stated in Alternative 2.

In order to assess the requirements on a Bluetooth profile that would address this application, we would appreciate receiving your advice on the requirements.

Requirements Definition

We request that you provide a list of the required commands and responses and message sizes that would be carried over the Bluetooth link. Also, what are the corresponding actions that are required within the cell phone (or other SIM server device) and the PC (or other device intending to use the services of the WLAN access point)? What are the security requirements?

The Bluetooth SIG has a policy of developing specifications within the Bluetooth SIG membership in order to keep control over Intellectual Property. Thus, it is critical that we get the most complete definition of the requirements that can be provided during this phase of the work.

High Level Planning

The Bluetooth Architecture Review Board (BARB) will use the information you provide to assess how to support the functionality. At this point it is not clear whether we should consider enhancing the existing SIM Access Profile or develop a new profile. The information you provide will be used first to make this decision. A rough plan on how to realize the functionality will then be used to request approval of the Bluetooth SIG Roadmapping Committee and the Board of Directors.

Specification Work

The BARB will assign the specification work to a Working Group. This group will work closely with the Security Expert Group on the security aspects of the profile. Ultimately the specification will come back to the BARB for review and technical approval. When the specification is completed and has been subjected to prototype testing to validate the specification and demonstrate that multiple companies can build interoperable implementations, the specification will be put up for "adoption" by the Bluetooth SIG. After it is adopted it will be released for qualification.

If you have questions or suggestions please get in touch with me. You can also work through Selim Aissi who is a member of 3GPP and the Bluetooth Security Expert Group.

Best regards,

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