

TR-45 AHAG/TR-45.2 Recommendations for Joint AKA Control

1 Proposed Working Relationship

This document provides guidelines for the working relationship between Telecommunications Industry Association (TIA) Committee TR-45 and the Third Generation Partnership Project (3GPP) with regard to specifications for Authentication and Key Agreement (AKA).

1.1 Responsible organizations

TR-45: Formal approval of all agreements with regard to AKA rests with Committee TR-45. Technical review and comment will be provided by the TR-45 Ad Hoc Authentication Group (AHAG), in consultation with TR-45 subcommittees.

3GPP: Formal approval of all agreements with regard to AKA rests with the SA plenary. Technical review and comment will be provided by S3, in consultation with other 3GPP technical bodies. It is recognized that ownership of AKA specifications rests with 3GPP.

1.2 3GPP S3 Identify the AKA text applicable for TR-45 ESA

The following the 3GPP documents/sections shall be subject to joint TR-45/3GPP control:

- 1) TS 33.102 *3G Security: Security Architecture (v.3.5)* Section 6.3 *Authentication and Key Agreement*
- 2) TS 33.103 *3G Security: Integration Guidelines (v.3.3)* Section 4.2.2 *Authentication and Key Agreement (AKAUSIM)*, Section 4.5.3 *Authentication and Key Agreement (AKASN)*, and Section 4.6.1 *HLR/Authentication Centre*.
- 3) TS 33.105 *3G Security: Cryptographic algorithm requirements (v.3.4)* Section 5.1 *Authentication and Key Agreement*.

Any equivalent sections (if section numbers change in the future) should be considered subject to joint TR-45/3GPP control. Also, any new normative text affecting AKA shall be subject to joint control.

1.3 Change Control of Applicable AKA Specifications

3GPP S3 shall notify TR-45 AHAG of all proposed changes to the AKA text applicable for ESA. 3GPP S3 shall indicate the date by which a TR-45 AHAG response is needed. 3GPP S3 should allow 90 days for review by TR-45 AHAG. TR-45 AHAG has the responsibility to notify and obtain approval from any affected TR-45 Subcommittee for such changes.

If TR-45 AHAG requests a modification to the proposed change, the modification shall indicate the importance of the proposed change (PRIORITY or NORMAL).

1.4 Prioritization of TR-45 AHAG Requests to 3GPP S3

TR-45 AHAG may submit change requests to 3GPP S3 in regard to the specification sections identified under 1.2 above. Change Requests shall be submitted using the 3GPP CR format. TR-45 AHAG shall prioritize its requests to 3GPP S3:

1. **Priority:** A *priority* request for a modification or enhancement based upon the identification of a potential vulnerability, flaw, or performance degradation. A response is required in one S3 meeting cycle (i.e., contribution is introduced at a meeting – final resolution by the following meeting).
2. **Normal:** A normal request for a modification or enhancement. A response is required in two S3 meeting cycles (i.e., contribution is introduced at a meeting – the final resolution occurs by the second meeting after the contribution is introduced).

TR-45 AHAG may also submit discussion documents providing or requesting information.

1.5 TR-45 AHAG Liaison to 3GPP S3

A representative shall be designated as the TR-45 AHAG liaison to 3GPP S3. This individual will represent TR-45 AHAG, introduce TR-45 AHAG contributions to 3GPP S3, provide ESA standards information to 3GPP S3, report to TR-45 AHAG on 3GPP S3 activities that relate to ESA, and as appropriate, relay responses from 3GPP S3 to the TR-45 AHAG.

1.6 Joint Meeting Every Six Months

TR-45 AHAG shall meet jointly with 3GPP S3 twice a year.