

Work Item Description

Title

Security for early IMS

1 3GPP Work Area

| | |
|----------|--------------|
| | Radio Access |
| X | Core Network |
| | Services |

2 Linked work items

There is related CN4 stage 3 work.

3 Justification

It is understood that some 'early' IMS implementations may not offer the full set of 3GPP Release 5 security features as defined in TS 33.203. This has created the need for interim security solutions. Although full support of TS 33.203 security features is preferred from a security perspective, it must be acknowledged that early IMS implementations will exist which do not support these features. Therefore, it is important to ensure that an interim security solution is standardised to avoid interoperability problems and to ensure that these early IMS implementations provide an adequate level of security.

4 Objective

The objectives of this work item are:

- to develop requirements for an interim security solution for IMS
- to develop, preferably, a single interim security solution for IMS
- to ensure that the interim solution for IMS is adequately standardised

Some work with respect to the first and second objectives has already been carried out (see S3-040264/265).

The interim solution should not be considered as a long-term replacement for the full 3GPP Release 5 solution.

It is intended to specify the interim solution in an informative part of the 3GPP specifications (i.e. in a TR) except where there is an impact on existing normative specifications (e.g. Cx interface).

5 Service Aspects

The interim solution should be applicable to all services that are based on IMS.

6 MMI-Aspects

The solution should preferably require no user involvement.

7 Charging Aspects

Compared with the full security solution in TS 33.203, the interim solution should not impose any restrictions on the type of charging model that can be adopted.

8 Security Aspects

Security is a fundamental part of this work item.

9 Impacts

| Affects: | UICC apps | ME | AN | CN | Others |
|------------|-----------|----|----|----|--------|
| Yes | | X | | X | |
| No | X | | X | | |
| Don't know | | | | | |

10 Expected Output and Time scale (to be updated at each plenary)

| New specifications | | | | | | |
|---|-----------------------------------|--|-------------------|---------------------------------------|----------------------|------------------|
| Spec No. | Title | Prime rsp. WG | 2ndary rsp. WG(s) | Presented for information at plenary# | Approved at plenary# | Comments |
| TR 33.9xx | Interim security solution for IMS | SA3 | - | SA#26 (Dec 04) | | Exact title TBD. |
| Affected existing specifications | | | | | | |
| Spec No. | CR | Subject | | Approved at plenary# | Comments | |
| 29.228 | | Changes to Cx interface to accommodate interim security solution for IMS | | CN#26 (Dec 04) | | |
| 29.229 | | Changes to Cx interface to accommodate interim security solution for IMS | | CN#26 (Dec 04) | | |

11 Work item rapporteur

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12 Work item leadership

TSG SA WG3

13 Supporting Companies

BT, Ericsson, Siemens, T-Mobile, Vodafone, Nokia, Huawei, Motorola

14 Classification of the WI (if known)

| | |
|-------------------------------------|----------------------------|
| <input checked="" type="checkbox"/> | Feature (go to 14a) |
| <input type="checkbox"/> | Building Block (go to 14b) |
| <input type="checkbox"/> | Work Task (go to 14c) |

14a The WI is a Feature: List of building blocks under this feature

none