



Network Equipment Security Assurance Scheme – List of Adopted Security Assurance Specifications

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Licensing Statement

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Foreword

This Technical Specification was produced by the GSM Association.

The contents of the present document are subject to continuing work within the GSMA NESAS Group and can change following formal GSMA approval. When the NESAS Group modify the contents of the present document, it will be re-released by the GSMA with an identifying change of release date and an increase in version number as follows:

Version x.y.

where:

x the first digit is incremented for all major changes

y the second digit is incremented for all changes of corrections, technical enhancements, updates, etc.

Modal verbs terminology

In the present document, modal verbs have the following meanings:

shall indicates a mandatory requirement to do something

shall not indicates an interdiction (prohibition) to do something

"**shall**" and "**shall not**" are confined to the context of normative provisions.

"**must**" and "**must not**" are not used as substitutes for "shall" and "shall not".

should indicates a recommendation to do something

should not indicates a recommendation not to do something

may indicates permission to do something

need not indicates permission not to do something

"**may not**" is ambiguous and is not used in normative elements.

can indicates that something is possible

cannot indicates that something is impossible

The constructions "**can**" and "**cannot**" are not substitutes for "**may**" and "**need not**".

will indicates that something is certain or expected to happen as a result of action taken by an agency the behaviour of which is outside the scope of the present document

will not indicates that something is certain or expected not to happen as a result of action taken by an agency the behaviour of which is outside the scope of the present document

All the document, including Annexes, is normative, unless otherwise explicitly stated.

Examples in the present document are used to provide additional information for understanding and are not intended to limit generality, applicability, and/or coverage of NESAS.

Introduction

The present document forms part of the documentation of the Network Equipment Security Assurance Scheme (NESAS). An overview of the scheme is available in GSMA PRD FS.13 – Network Equipment Security Assurance Scheme – Framework [2].

The present document lists the Security Assurance Specifications (SCASes) that are adopted for use by the Network Equipment Security Assurance Scheme (NESAS). All SCASes listed here can be used for Network Product Evaluations. SCASes not listed here are not adopted by NESAS and are not meant for evaluation within NESAS.

GSMA PRD FS.50 [3] defines the requirements that need to be met by SCASes for adoption. SCASes are defined and maintained by international Standards Development Organisations (SDOs), for example 3GPP.

GSMA PRD FS.62 [4] defines the SCAS adoption procedure. SCAS adoption is performed by the NESAS Group.

NESAS was originally created and developed by GSMA and responsibility for its maintenance and development of the NESAS specifications rests with the NESAS Group, which comprises representatives from mobile telecom network operators, infrastructure and equipment vendors, security auditors and test laboratories. The NESAS Group is an Industry Specification Issuing Group, and as such, it is bound to GSMA PRD AA.35 [1] governance.

The NESAS Group is responsible for maintaining the NESAS specifications and for facilitating periodic reviews involving all relevant stakeholders.

The Scheme Owner using NESAS specifications can add additional documentation and will be responsible for development and maintenance of its own documents.

1 Scope

The present document captures the adopted SCASes that can be used for Network Product Evaluations. SCASes not listed here are not adopted by NESAS and are not meant for evaluation within NESAS.

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

NOTE: While any hyperlinks included in this clause were valid at the time of publication.

The following referenced documents are necessary for the application of the present document.

- [1] GSMA PRD AA.35: "Procedures for Industry Specifications".
- [2] GSMA PRD FS.13: "Network Equipment Security Assurance Scheme – Framework".
- [3] GSMA PRD FS.50: "Network Equipment Security Assurance Scheme – Requirements for Security Assurance Specification Development".
- [4] GSMA PRD FS.62: "Network Equipment Security Assurance Scheme – Adoption Procedure for Security Assurance Specifications".

2.2 Informative references

Informative references are not applicable in the present document.

3 Definition of terms, symbols and abbreviations

3.1 Terms

For the purposes of the present document, the following terms apply:

Equipment Vendor: Organisation that develops, maintains and supplies network equipment that supports functions defined by 3GPP or another SDO.

NESAS Group: The Industry Specification Issuing Group of the GSMA that is tasked with the overall implementation, governance, maintenance and further development of NESAS specifications.

Network Function: A defined processing function in a network, which has defined functional behaviour and defined interfaces.

Network Product: Network equipment developed, maintained and supplied by an Equipment Vendor, consisting of one or more Network Function(s).

Network Product Evaluation: Activity of evaluating the Product under Evaluation (PuE) in NESAS, according to requirements and test cases taken from NESAS-adopted Security Assurance Specifications (SCAS).

Product under Evaluation: The Network Product for which an evaluation is sought by the Equipment Vendor.

3.2 Symbols

Symbols are not applicable in the present document.

3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

3GPP	Third Generation Partnership Project
GSMA	GSM Association
NESAS	Network Equipment Security Assurance Scheme
PRD	Permanent Reference Document
SCAS	Security Assurance Specification
SDO	Standards Development Organisation
TS	Technical Specification

4 List of Adopted Security Assurance Specifications

The list in this clause contains all SCASes that are adopted by NESAS. Adopted SCASes can be used for Network Product Evaluations in NESAS.

Specification	Title	Type	Adopted
3GPP TS 33.116	MME network product class	Specific	Oct 2019
3GPP TS 33.117	Catalogue of general security assurance requirements	Generic	Oct 2019
3GPP TS 33.216	Evolved Node B (eNB) network product class	Specific	Oct 2019
3GPP TS 33.250	PGW network product class	Specific	Oct 2019
3GPP TS 33.326	Network Slice-Specific Authentication and Authorization Function (NSSAAF) network product class	Specific	Sep 2021
3GPP TS 33.511	Next generation Node B (gNodeB) network product class	Specific	Oct 2019
3GPP TS 33.512	Access and Mobility management Function (AMF). 5G SCAS	Specific	Oct 2019
3GPP TS 33.513	User Plane Function (UPF) 5G SCAS	Specific	Oct 2019
3GPP TS 33.514	Unified Data Management (UDM) network product class. 5G SCAS	Specific	Oct 2019
3GPP TS 33.515	Session Management Function (SMF) network product class. 5G SCAS	Specific	Oct 2019
3GPP TS 33.516	Authentication Server Function (AUSF) network product class. 5G SCAS	Specific	Oct 2019
3GPP TS 33.517	Security Edge Protection Proxy (SEPP) network product class. 5G SCAS	Specific	Oct 2019
3GPP TS 33.518	Network Repository Function (NRF) network product class. 5G SCAS	Specific	Oct 2019
3GPP TS 33.519	Network Exposure Function (NEF) network product class. 5G SCAS	Specific	Oct 2019
3GPP TS 33.520	Non-3GPP InterWorking Function (N3IWF). 5G SCAS	Specific	Apr 2025
3GPP TS 33.521	Network Data Analytics Function (NWDAF). 5G SCAS	Specific	Jun 2021
3GPP TS 33.522	Service Communication Proxy (SCP). 5G SCAS	Specific	Dec 2021
3GPP TS 33.523	Split gNB product classes 5G SCAS	Specific	Jun 2023
3GPP TS 33.526	Management Function (MnF) 5G SCAS	Specific	Jun 2023
3GPP TS 33.527	3GPP virtualized network products 5G SCAS	Specific	Jun 2023
3GPP TS 33.528	Policy Control Function (PCF). 5G SCAS	Specific	Apr 2025

Specification	Title	Type	Adopted
3GPP TS 33.530	Unified Data Repository (UDR). 5G SCAS.	Specific	Apr 2025
3GPP TS 33.537	Key Management for Applications (AKMA) Anchor Function (AAnF). 5G SCAS.	Specific	Apr 2025
ETSI GS NFV- SEC 028	SCAS for Generic NFV-Management and Orchestration (MANO)	Generic	Apr 2025
ETSI GS NFV- SEC 029	SCAS for Virtualised Infrastructure Manager (VIM)	Specific	Apr 2025
ETSI GS NFV- SEC 030	SCAS for Virtual Network Function Manager (VNFM)	Specific	Apr 2025
ETSI GS NFV- SEC 031	SCAS for NFV Orchestrator (NFVO)	Specific	Apr 2025

Table 1: List of adopted SCASes

History

Version	Date	Brief Description of Change
1.0	Feb 2025	New document to list NESAS adopted SCAS specifications.
2.0	Apr 2025	Newly adopted SCASes from ETSI and 3GPP added.