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TECHNICAL SPECIFICATION

**Network Technologies (NTECH);
Business trunking;
Architecture and functional description**

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Network Technologies (NTECH).

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

1 Scope

The present document provides architecture and functional requirements for business trunking for the Next Generation Network.

The present document also specifies the protocol requirements for the NGCN to attach to the NGN (in particular the IM CN subsystem) and also any protocol requirements relation to application servers provided in support of business trunking.

Business trunking is a set of NGN capabilities that may be applied to communications between Next Generation Corporate Networks (NGCN) using the NGN as a transit.

The structure of the present document reflects the historical structure of previous versions of it. All references to ETSI TS 124 525 [30] are intended to be to the entire contents of the referenced document, which now forms the contents of the present document, and not to any part which might be implied by any headings within the present document.

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 reference document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

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

- | | |
|------|-------|
| [1] | Void. |
| [2] | Void. |
| [3] | Void. |
| [4] | Void. |
| [5] | Void. |
| [6] | Void. |
| [7] | Void. |
| [8] | Void. |
| [9] | Void. |
| [10] | Void. |
| [11] | Void. |
| [12] | Void. |
| [13] | Void. |
| [14] | Void. |
| [15] | Void. |
| [16] | Void. |

- [17] Void.
- [18] Void.
- [19] Void.
- [20] Void.
- [21] Void.
- [22] Void.
- [23] Void.
- [24] Void.
- [25] Void.
- [26] Void.
- [27] Void.
- [28] Void.
- [29] Void.
- [30] ETSI TS 124 525: "Universal Mobile Telecommunications System (UMTS); LTE; Business trunking; Architecture and functional description".

2.2 Informative 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 reference document (including any amendments) applies.

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The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

Not applicable.

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in ETSI TS 124 525 [30] apply.

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in ETSI TS 124 525 [30] apply.

4 Overview

The provisions of the present document are contained in ETSI TS 124 525 [30].

5 Functional architecture

The provisions of the present document are contained in ETSI TS 124 525 [30].

6 Procedures

The provisions of the present document are contained in ETSI TS 124 525 [30].

7 Use of transport functions

The provisions of the present document are contained in ETSI TS 124 525 [30].

8 Security

The provisions of the present document are contained in ETSI TS 124 525 [30].

9 Management

The provisions of the present document are contained in ETSI TS 124 525 [30].

Annex A (informative): Example signalling flows of business trunking and roaming arrangements

See ETSI TS 124 525 [30], Annex A.

Annex B (informative): Service Level Agreement (SLA) considerations

See ETSI TS 124 525 [30], Annex B.

Annex C (informative): Topics for business trunking for a future release

See ETSI TS 124 525 [30], Annex C.

Annex D (informative): Bibliography

See ETSI TS 124 525 [30], Annex D.

Annex E (informative): Change history

Date	WG Doc.	CR	Rev	CAT	Title / Comment	Current Version	New Version
06/11/09	22bTD145r1	001	r1	F	Creation of Release 3	2.1.1	3.0.0
16/12/09	23WTD199r1	002		B	Registration_Free_Business_Trunking	3.0.0	3.0.1
					CRs 001 and 002 TB approved at TISPAN#23	3.0.1	3.1.0
05/02/10	TISPAN03 (10)0058	003		F	Misc. Corrections	3.1.0	3.1.1
05/02/10	TISPAN03 (10)0041r1	004		F	Spec(T) ref correction	3.1.0	3.1.1
					Update of Change history table and WI reference	3.1.1	3.1.2
15/04/10	TISPAN03 (10)0110r3	005		B	Peering_Based_Business_Trunking	3.1.2	3.1.3
					CRs 003 to 005 TB approved at TISPAN#24	3.1.3	3.2.0
03/06/10	TISPAN03 (10)0168r1	006		F	Wildcarded PUI	3.2.0	3.2.1
03/06/10	TISPAN03 (10)0170r2	007		F	Miscellaneous Improvements	3.2.0	3.2.1
03/06/10	TISPAN03 (10)0	008		C	Clarification of peering-based business trunking flows	3.2.0	3.2.1
03/06/10	TISPAN03 (10)0178r1	009		F	Update figures	3.2.0	3.2.1
03/06/10	TISPAN03 (10)0169r3	010		F	Alignment with 3GPP TS 24.229 Rel-9	3.2.0	3.2.1
16/09/10	TISPAN03 (10)0228r1	011		F	Correction – Invalid Reference	3.2.1	3.2.2
16/09/10	TISPAN03 (10)0229r1	012		F	Correction: name Private-Network-Indicator	3.2.1	3.2.2
16/09/10	TISPAN03 (10)0231r1	013		F	Correction - textual error for Peering Based Business Trunking	3.2.1	3.2.2
16/09/10	TISPAN03 (10)0233r1	014		C	Annex Topics for BT for study in this or future releases	3.2.1	3.2.2
16/09/10	TISPAN03 (10)0223r4	015		C	WI2080_Peering_based_business_trunking_applications	3.2.1	3.2.2
27/10/10	TISPAN03 (10)249r1	016		F	Clarification and corrections about aliases	3.2.2	3.2.3
27/10/10	TISPAN03 (10)250r1	017		F	P-CSCF redundancy	3.2.2	3.2.3
27/10/10	TISPAN03 (10)251r1	018		F	Initial registration	3.2.2	3.2.3
27/10/10	TISPAN03 (10)267r1	019		F	Proposed global changes and specific changes to clause 5	3.2.2	3.2.3
27/10/10	TISPAN03 (10)268r3	020		F	Proposed changes to clause 6	3.2.2	3.2.3
08/12/10	TISPAN03 (10)290r3	021		C	Loose Route and Outbound	3.2.3	3.2.4
08/12/10	TISPAN03 (10)284r3	022		F	Changes to clause 6 and annex B	3.2.3	3.2.4
08/12/10	TISPAN03 (10)294r1	023		D	Replace Editor's note in 6.2.4.1	3.2.3	3.2.4
08/12/10	TISPAN03 (10)296	024		D	Final Clean-up	3.2.3	3.2.4
					Publication	3.2.4	3.3.1
10/12/14	NTECH(14)0_9_013	025		D	Replacement of the text with references to TS 124 525	3.3.1	3.4.0

History

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V3.4.0	October 2015	Publication