ETSI TR 101 301 V1.1.1 (2001-03)

Technical Report

**TIPHON Release 3
Release Definition**

ETSI

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Contents

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Foreword

This Technical Report (TR) has been produced by ETSI Project Telecommunications and Internet Protocol Harmonization Over Networks (TIPHON).

1 Scope

The present document provides a description of the content of TIPHON release 3.

Each TIPHON release builds upon and extends the previous release. In this manner Release N contains and extends Release N-1, and is itself extended by Release N+1.

The present document is structured as follows:

- clause 4 introduces the release plan documentation set;

- clause 5 defines the content and capabilities of TIPHON release 3.

The present document does not provide solutions for the technical issues that are identified therein.

The present document is prepared in accordance with the TIPHON project method defined in TR 101 835 [1] and fulfils the requirements of STEP A.

2 References

For the purposes of this Technical Report (TR) the following references apply:

[1]   ETSI TR 101 835: "Telecommunications and Internet Protocol Harmonization over Networks (TIPHON); Project method definition".

3 Abbreviations

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

ICS   Implementation Conformance Statement
PICS   Protocol Implementation Conformance Statement
SIP   Session Initiation Protocol

4 Document type definitions

All documents in Releases 3 and 4 are fall within the categories defined in table 1.

Table 1: Document type categorization and definitions

Step	Document Category	ETSI document type
A	Release Definition	Technical Report
	Requirements Definition Study	Technical Report
	Design Guide	Technical Report
B	Service Independent Requirements Definition	Technical Report
	Service Capability Definition	Technical Report
C	Functional Entities, Reference Points and Information Flows Definition	Technical Specification
D	Management Framework Definition	Technical Report
	Protocol Framework Definition	Technical Report
	Interface Protocol Requirements Definition	Technical Specification
E	Technology Compliance Specification	Technical Specification
	Release PICS	Technical Specification

5 Release 3

5.1 Issues and Work Items

The following issues have been identified as forming the essential elements of TIPHON Release 3.

Table 2: Topics and issues covered in release 3

WG	Topic
1	Service capabilities to support simple call
1	Service independent requirements for service and network management
1	Service independent requirements for the transport plane
2	Amendments of architecture to include lawful interception, security and usage information
2	Extension for Inter Domain services
3	Profiling of key protocols (SIP, H.323, H.248)
3	Protocol Independent Framework
4	Choice of identification/contact address
4	Address resolution service
5	QoS Classification
5	QoS Functions & Primitives
5	QoS Control
5	QoS Measurement
5	QoS Design Guidelines
6	Complete set of test specs for H.225.0
6	PICS for H.245 and H.248
6	Interoperability test spec
8	Lawful interception
8	Security profiles

The remainder of this clause identifies those TIPHON work items that support these issues.

Table 3: TIPHON work items forming release 3

WI number	ETSI document identity	TITLE	Step
DTR/TIPHON-00002	TR 101 301	TIPHON Release 3 Release Definition	A
DTR/TIPHON-01005	TR 102 095	TIPHON Requirements Definition Study; SIP & H.323 Interworking	A
DTR/TIPHON-01008	TR 101 877	TIPHON Requirements Definition Study; Simple call	A
RTR/TIPHON-04006 [2]	TR 101 326	TIPHON; The procedure for determining IP addresses for routeing packets on interconnected IP networks that support public telephony	A
RTR/TIPHON-05007	TR 101 329-1	TIPHON; End to End Quality of Service in TIPHON Systems; Part 1: General aspects of Quality of Service (QoS)	A
DTR/TIPHON-05004	TR 101 329-6	TIPHON; End to End Quality of Service in TIPHON Systems; Part 6: Actual measurements of network and terminal characteristics and performance parameters in TIPHON networks and their influence on voice quality	A
DTR/TIPHON-05011	TR 101 329-7	TIPHON; Design Guide; Part 7: Design Guide for elements of a TIPHON connection from an end-to-end speech transmission performance point of view	A

DTR/TIPHON-07002	TR 101 339	TIPHON Requirements Definition Study; Synergies between TIPHON networks and wireless systems	A
DTR/TIPHON-08001	TR 101 750	TIPHON; Security; Studies into the Impact of lawful interception;	A
DTR/TIPHON-01004.1	TR 101 303-1	TIPHON; Service and Network Management Framework; Part 1: Overview and Introduction	B
DTR/TIPHON-01006	TR 101 311	TIPHON Release 3; Service Independent requirements definition; Transport Plane	B
DTS/TIPHON-01009	TS 101 878	TIPHON Release 3; Service Capability Definition; Service Capabilities for a simple call	B
DTS/TIPHON-01010	TS 101 879	TIPHON Release 3; Service Independent requirements definition; Performance Management.	B
DTS/TIPHON-01011	TS 101 880	TIPHON Release 3; Service Independent requirements definition; Alarm Reporting	B
DTR/TIPHON-08003	TR 101 772	TIPHON Lawful Interception; Internal LI Interface	B
DTS/TIPHON-02007	TS 101 315	TIPHON Release 3; Information Flow and Reference Points Definition; For application of TIPHON functional architecture to inter-domain services	C
RTS/TIPHON-02009	TS 101 314	TIPHON Release 3; Information Flow and Reference Points Definition; Network Architecture and Reference Points	C
DTS/TIPHON-05003	TS 101 329-3	TIPHON; End-to-End Quality of Service in TIPHON Systems; Part 3: Signalling and Control of end-to-end Quality of Service	C
DTR/TIPHON-03016	TR 101 882	TIPHON Release 3; Protocol Framework Definition; General	D
DTS/TIPHON-03017	TS 101 883	TIPHON Release 3; Interface Protocol Requirements Definition; Implementation of TIPHON architecture using H.323	D
DTS/TIPHON-03018	TS 101 884	TIPHON Release 3; Interface Protocol Requirements Definition; Implementation of TIPHON architecture using SIP	D
DTS/TIPHON-03019	TS 101 885	TIPHON Release 3; Interface Protocol Requirements Definition; Implementation of TIPHON architecture using H.248	D
RTS/TIPHON-08004	TS 101 323	TIPHON Release 3; Protocol Framework Definition; Methods and Protocol for security	D
DTS/TIPHON-05008	TS 101 329-5	TIPHON Release 3 Part 5: Technology Compliance Specification; Quality of Service (QoS) measurement methodologies	E
DTS/TIPHON-06011	TS 101 520	TIPHON; Implementation Conformance Statement (ICS) proforma for the support of packet based multimedia communications systems; Support of ITU-T Recommendation H.323	E
DTS/TIPHON-06012	TS 101 521	TIPHON; Protocol Implementation Conformance Statement (PICS) proforma for the support of call signalling protocols and media stream packetization for packet-based multimedia communication systems; Support of ITU-T Recommendation H.225.0;	E

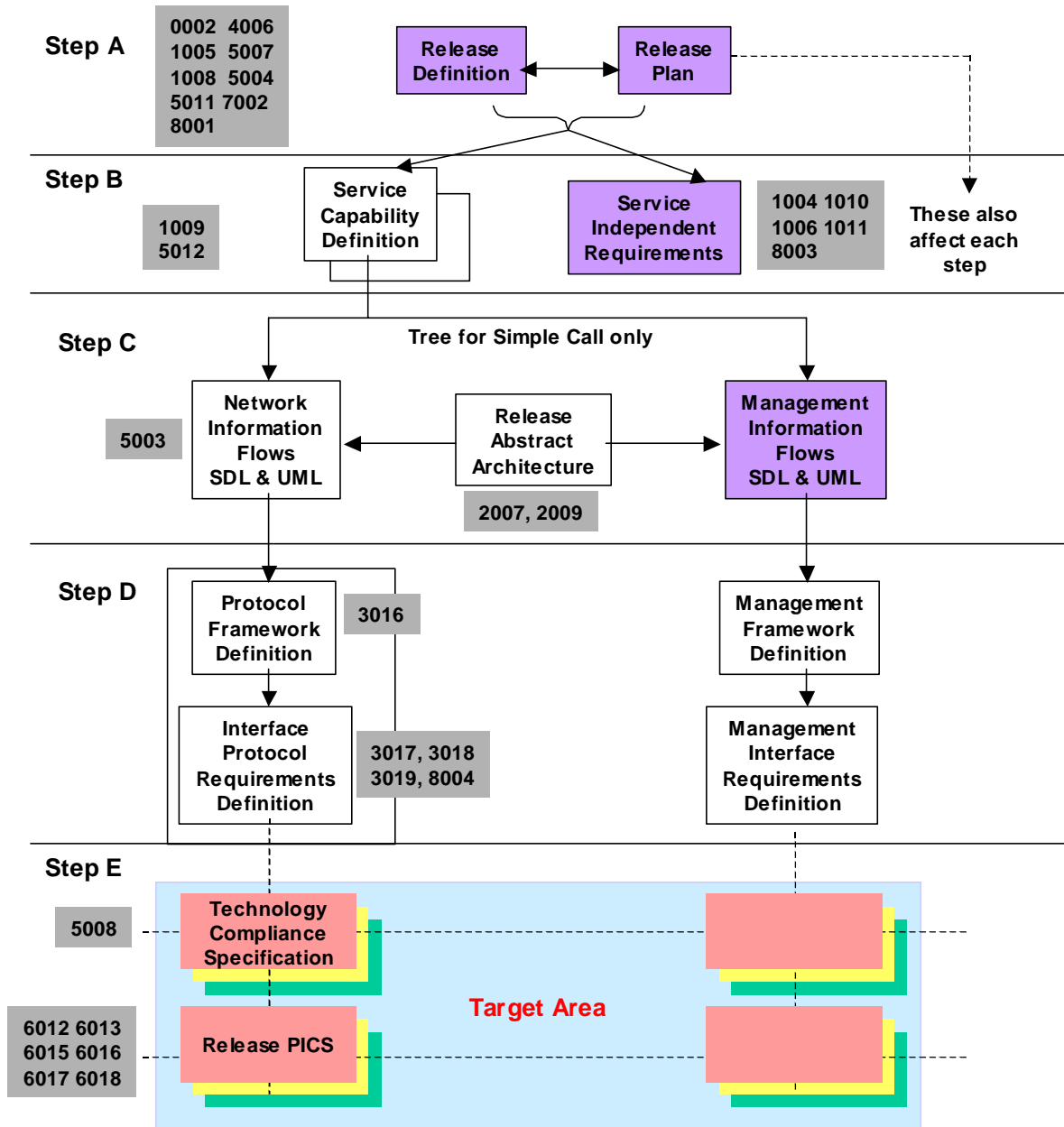| DTS/TIPHON-06013	TS 101 522	TIPHON; Protocol Implementation Conformance Statement (PICS) proforma for the support of control protocol for multimedia communication; Support of ITU-T Recommendation H.245	E
RTS/TIPHON-06015	TS 101 335	TIPHON Release 3; Release PICS; Interoperability test	E
DTS/TIPHON-06016-1	TS 101 804-1	TIPHON Release 3; Release PICS; Revision/Update of H.225.0 PICS for Terminal, Gatekeeper and Gateway	E
DTS/TIPHON-06016-2	TS 101 804-2	TIPHON Release 3; Release PICS; H.225.0 Conformance Test Specifications; Test Suite Structure (TSS) and Test Purposes (TP) for Terminal, Gatekeeper and Gateway	E
DTS/TIPHON-06016-3	TS 101 804-3	TIPHON Release 3; Release PICS; H.225.0 Conformance Test Specifications; Abstract Test Suite (ATS) and PIXIT proforma for Terminal, Gatekeeper and Gateway	E
DTS/TIPHON-06017-1	TS 101 889-1	TIPHON Release 3; Release PICS; H.248 Protocol Implementation Conformance Statement (PICS) proforma for the support of physically decomposed multimedia gateway	E
DTS/TIPHON-06017-2	TS 101 889-2	TIPHON Release 3; Release PICS; H.248 Test Suite Structure and Test Purposes for the support of physically decomposed multimedia gateways	E
DTS/TIPHON-06017-3	TS 101 889-3	TIPHON Release 3; Release PICS; H.248 Abstract Test Suite and PIXIT proforma for the support of physically decomposed multimedia gateways	E
DTS/TIPHON-06018-1	TS 101 890-1	TIPHON Release 3; Release PICS; H.245 PICS for Terminal, Gatekeeper and Gateway	E
DTS/TIPHON-06018-2	TS 101 890-2	TIPHON Release 3; Release PICS; H.245 Test Suite Structure and Test Purposes for Terminal, Gatekeeper and Gateway	E
DTS/TIPHON-06018-3	TS 101 890-3	TIPHON Release 3; Release PICS; H.245 Abstract Test Suite and PIXIT proforma for Terminal, Gatekeeper and Gateway	E

Figure 1: Documents contained in release 3 (step A not shown)

5.2   Scheduling

All documents of release 3 are scheduled for approval by the Technical Body before the end of 3/2001. The related step E documents are scheduled for approval by the Technical Body before the end of 7/2001.

History

Document history		
V1.1.1	March 2001	Publication