

**ETSI TISPAN#21bis  
Sophia Antipolis; France  
17-21 August 2009**

**21bTD013r1**

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Title: **WG3 Draft Final Meeting Report**

Source: WG3 Chairman: Raymond Forbes <[Raymond.Forbes@ericsson.com](mailto:Raymond.Forbes@ericsson.com)>

To WG3

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Document for:	Decision	<b>X</b>
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## Executive Summary

TISPAN Working Group 3 on Protocols met during the TISPAN#21bis week 17-21 August 2009. The Main issues were:

The approval of the following deliverables NGN R3:

ETSI nb	WI nb	Status (*)
E/TS 283 029-2	DE/TS/TISPAN-03134-NGN-R3 GOCAP Congestion Control	21bTD171r24 is WG approved as a E/TS at TISPAN# 21bis at v3.0.2.

The Concern was raised that this is the only ES remaining in TISPAN NGN Release 3 Stage 3. It was suggested to convert the multi-part deliverable to a multi-part TS. As a TS it will be easier to manage in future NGN releases. This Issue will be raised at the TISPAN Plenary.

Progress was made on the remaining work-items that were contributed to; results were agreed in Working Group 3.

Future meetings of WG3 are expected to Approve Documents: Face 2 Face TISPAN WG3 a 3 day session at TISPAN#22 WGs 28-30 September 2009 and a 5 day session at TISPAN#22bis 2-6 November 2009, in Sophia Antipolis, France; unless there are volunteers to host elsewhere.

## A Meeting Results

### A.1 For info and update: list of ongoing Deliverables

The list below contains the status of all the active work items before and after the meeting. The full list of Work Items, including the completed ones, can be found in the TISPAN Work Plan (Tdoc 21bTD129), and can be filtered by WG.

White-background cells: contain general info. Corrections possible - use pink background for modified cells.  
 Green-background cells: contain the data in WPM at the time this template is issued or automatically-generated data. Not to be modified.  
 Blue-background cells: place holder to be used to update the status of all the WIs progressed or modified during the meeting.  
 Newly approved WIs: use new line in pink background (see the example at the end of the table).

Table A.1

Unique ID	Title	Level	Class	Type	Reference	Rel/Proj	ETSI Pub Number	Rapporteur	Meeting input			Meeting output				
									Pre-WG status	WG completion target date/status	Status Update since Feb. 09	Output Version in TD nb	Output version	Output Status	new WG completion date (if postponed)	
0	Rel-3	1				R3										
0	IPTV Rel-3	1														
30483	IMS-based IPTV stage 3 specification		R	TS	03204	R3	183 063	zhangzhanjun@huawei.com	Draft available as V.3.1.0 since 2009-07-28	16/12/2009	Unchanged	21bTD209	V3.1.1	Progressing	Unchanged	
31381	Integrated IPTV subsystem stage 3 specification		R	TS	03208	R3	183 064	eugen.mikoczy@t-com.sk	TB adoption of WI as V2.1.1 since 2009-07-16	14/12/2009	New	21bTD175	V3.0.0	Progressing	Unchanged	
0	Resource and Admission Control Subsystem (RACS) Rel-3	1														

- Commented [cs5]:** TS/TR/ES/SR
- Commented [cs3]:** Hierarchical level in Work Plan
- Commented [cs4]:** Draft or Revised WI
- Commented [cs7]:** Release or Project
- Commented [cs1]:** WPM database identifier. Please do not change
- Commented [cs2]:** Classification made by release and then by global/parent feature
- Commented [cs6]:** WI short reference on 5 digits
- Commented [AS8]:** When changing the scope of an existing Work Item, indicate "New Scope in Tdoc XXX" here (where XXX stands for the tdoc containing the revised Work Item description).
- Commented [cs9]:**
  - Creation of WI
  - Start of Work
  - Table of Contents and Scope
  - Draft available
  - WG approved
  - or "Stopped"

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Unique_ID	Title	Level	Class	Type	Reference	Rel/Proj	ETSI Pub Number	Rapporteur	Meeting input			Meeting output			
									Pre-WG status	WG completion target date/status	Status Update since Feb. 09	Output Version in TD nb	Output version	Output Status	new WG completion date (if postponed)
28794	Mapping of IGMP v3 / MLD v2 to Re for multicast - stage 3	2	R	TS	03191	R3	183 067	fqhuang@huawei.com	Draft available as V.3.0.1 since 2009-03-27	21/08/2009	Unchanged	20bTD297	V3.1.0	progressing	postponed 2 months
29311	RACS: Re interface based on the DIAMETER protocol	2	R	TS	03201	R3	183 060	fqhuang@huawei.com	Draft available as V.3.1.0 since 2009-07-08	06/11/2009	Unchanged	21WTD285	V3.1.0	progressing	Unchanged
30968	RACS: Gq' interface based on the DIAMETER protocol		R	TS	03205	R3	183 017	kawakami.kenta@lab.ntt.co.jp	ToC & Scope as V.3.0.0 since 2009-07-28	30/09/2009	Anticipated 1 month(s)	21bTD080	V3.0.1	Progressing	Unchanged
29057	Rr interface stage 3	2	D	TS	03196	R3		fqhuang@huawei.com	Draft available as V.0.0.2 since 2009-01-23	30/09/2009	Unchanged	19tTD115	V0.0.2'	Progressing	Unchanged
0	QoS and Overload Control Rel-3	1													
28519	OCG Part 5: ISDN overload control at the Access Gateway	3	D	ES	03034-5	R3	283 039-5	nick.m.stewart@bt.com	Draft available as V.0.0.4 since 2009-02-03	10/10/2009	Postponed 4 month(s)	19tTD250	V0.0.3	Progressing	Postponed 2 months
23855	OCG Architecture; Part 2: Overload and Congestion control (GOCAP)	3	D	ES	03034-2	R3	283 039-2	nick.m.stewart@bt.com	Draft available as V.3.0.0 since 2009-06-10	10/08/2009	Becoming late	21bTD171r24	V3.0.2	WG approved	Unchanged
0	PSTN/ISDN Emulation Sub-system (PES) Rel-3	1													
31382	IMS - based PSTN/ISDN Emulation; Stage 3 specification		R	TS	03209	R3	183 043	ptscham@alcatel-lucent.com	TB adoption of WI as V.? since 2009-07-16	14/12/2009	New	21bTD191	V3.0.2	Progressing	Unchanged
31393	ISDN/SIP interworking; Protocol specification		R	TS	03207	R3	183 036	Gerhard.Ott@telekom.de	ToC & Scope as V.3.1.0 since	18/12/2009	New	21bTD190	V3.1.1	Progressing	Unchanged

- Commented [cs5]: TS/TR/ES/SR
- Commented [cs3]: Hierarchical level in Work Plan
- Commented [cs4]: Draft or Revised WI
- Commented [cs7]: Release or Project
- Commented [cs1]: WPM database identifier. Please do not change
- Commented [cs2]: Classification made by release and then by global/parent feature
- Commented [cs6]: WI short reference on 5 digits
- Commented [AS8]: When changing the scope of an existing Work Item, indicate "New Scope in Tdoc XXX" here (where XXX stands for the tdoc containing the revised Work Item description).
- Commented [cs9]:
  - Creation of WI
  - Start of Work
  - Table of Contents and Scope
  - Draft available
  - WG approved
  - or "Stopped"

EX2011 21bTD013r2 Approved WG3 report.doc21bTD013-WG3\_Draft\_Report\_v004.doc

Unique_ID	Title	Level	Class	Type	Reference	Rel/Proj	ETSI Pub Number	Rapporteur	Meeting input			Meeting output				
									Pre-WG status	WG completion target date/status	Status Update since Feb. 09	Output Version in TD nb	Output version	Output Status	new WG completion date (if postponed)	
0	<b>Rel-2</b> Corporate Network	1							2009-07-28							
29055	Business Trunking; NGCN-NGN Interface Implementation Guide	2	D	T R	03195	R2	183069	goar.haspekian@orange-ftgroup.com	Draft available as V.0.0.10 since 2009-06-10	30/09/2009	Postponed 4 month(s)	21bTD090	V0.0.11	Progressing	Unchanged	
0	PSTN/ISDN Emulation Sub-system (PES) Rel-2	1														
30482	PES Stage 3 specification		R	T S	03203	R2	183043	steve.norreys@bt.com	Draft available as V.2.4.0 since 2009-06-23	16/12/2009	Unchanged	21WTD275r1	V2.4.0	Progressing	Unchanged	
<p>&lt;Insert new lines for the newly approved WIs, using pink background (e.g. copy-paste this line). New lines can be inserted where ever in the table.&gt;</p>																
												<indicate tdoc number of WI sheet for new WI>				

- Commented [cs5]: TS/TR/ES/SR
- Commented [cs3]: Hierarchical level in Work Plan
- Commented [cs4]: Draft or Revised WI
- Commented [cs7]: Release or Project
- Commented [cs1]: WPM database identifier. Please do not change
- Commented [cs2]: Classification made by release and then by global/parent feature
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- Commented [cs9]:
  - Creation of WI
  - Start of Work
  - Table of Contents and Scope
  - Draft available
  - WG approved
  - or "Stopped"

A.2 List of WG approved CRs

WI Reference	Publication Number	Rel	WG Doc.	CR	Rev	CAT	Title / Comment	Current Version	New Version
03204	TS 183 063	R3	21bTD112r1	006		B	Restricted Trick Play service procedures	3.1.0	3.1.1
03204	TS 183 063	R3	21bTD103r2	007		B	SCF Initiate Sessions	3.1.0	3.1.1

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03204	TS 183 063	R3	21bTD114r2	008	B	Procedures_for_Service_Initiation_by_Remote UE	3.1.0	3.1.1
03204	TS 183 063	R3	21bTD109r3	009	B	Playlist Procedures	3.1.0	3.1.1
03204	TS 183 063	R3	21bTD110r5	010	B	Notification service	3.1.0	3.1.1
03204	TS 183 063	R3	21bTD104r1	011	B	Personalised Service Composition	3.1.0	3.1.1
03204	TS 183 063	R3	21bTD115r6	012	B	Procedure_for_Retrieving_User's_IPTV_Service_Access	3.1.0	3.1.1
03204	TS 183 063	R3	21bTD099r4	013	B	Applicability_of_Synchronization	3.1.0	3.1.1
03204	TS 183 063	R3	21bTD113r6	014	B	Protocol_Implementation_for_PCh_Service	3.1.0	3.1.1
03204	TS 183 063	R3	21bTD196r4	015	B	Content Insertion At UE Side	3.1.0	3.1.1
03204	TS 183 063	R3	21bTD154r5	016	B	Procedures for IPTV Content Marker	3.1.0	3.1.1
03204	TS 183 063	R3	21bTD111r3	017	B	Ad_Service_Procedures-TISPAN_Option	3.1.0	3.1.1
03205	TS 183 017	R3	21bTD092r1	002	B	Clarification of the value of the Flow Status AVP	3.0.0	3.0.1
03205	TS 183 017	R3	21bTD095r1	003	F	Update of the Reservation priority AVP	3.0.0	3.0.1
03207	TS 183 036	R3	21bTD051r1	003	F	Clause 5-1-1-2-1-3	3.1.0	3.1.1
03207	TS 183 036	R3	21bTD052r2	004	F	Clause 5-1-1-2-2-3	3.1.0	3.1.1
03207	TS 183 036	R3	21bTD053r1	005	F	Annex B error	3.1.0	3.1.1
03207	TS 183 036	R3	21bTD054r1	006	F	Annex C ref error	3.1.0	3.1.1
03207	TS 183 036	R3	21bTD055r1	007	F	Multiple BC's Order Error	3.1.0	3.1.1
03207	TS 183 036	R3	21bTD056r1	008	D	PSTN XML	3.1.0	3.1.1
03207	TS 183 036	R3	21bTD057r1	009	F	Repeated Table Row	3.1.0	3.1.1
03208	TS 183 064	R3	21bTD028r1	001	B	To create the release 3 start of Work	2.1.1	3.0.0
03208	TS 183 064	R3	21bTD136r1	002	B	Integrated IPTV New Sections	3.0.0	3.0.1
03208	TS 183 064	R3	21bTD137r1	003	B	Integrated IPTV architecture stage 3	3.0.0	3.0.1
03209	TS 183 043	R3	21bTD029	001	A	Input Draft	2.4.0	3.0.1
03209	TS 183 043	R3	21bTD040r1	002	F	Improvements of MCID specifications	3.0.1	3.0.2
03209	TS 183 043	R3	21bTD122r1	003	F	Overlap_dialling_option_applying_to_Three_Party_service	3.0.1	3.0.2
03209	TS 183 043	R3	21bTD124r1	004	D	Editorial_changes_in_B.4.2.2.2_and_F.2.1.1.1	3.0.1	3.0.2
03209	TS 183 043	R3	21bTD043r1	005	F	Improvements of Call Waiting specifications	3.0.1	3.0.2

## A.2.1 Specifications put under change request while not yet published

WI Reference	Publication Number	Rel	WG Doc.	CR	Rev	CAT	Title / Comment	Current Version	New Version
03034-2	E/TS 183 039-2	R3	21bTD094r2	026		F	SIP Procedures	3.0.0	3.0.1
03034-2	E/TS 183 039-2	R3	21bTD147r1	027		F	GoCAP Update	3.0.0	3.0.1
03034-2	E/TS 183 039-2	R3	21bTD162r1	028		F	Event Package	3.0.0	3.0.1
03034-2	E/TS 183 039-2	R3	21bTD207r2	029		D	Editorial corrections for WG approval	3.0.1	3.0.2

## A.3 Liaison Statements

### A.3.1 Incoming LSs

TD Nb	From	Subject/Title	Action requested
21WTD027 C3-090735	3GPP CT3	Extending the value range for the Reservation-priority AVP	CR on the Extension was approved
21bTD030 LS54-16	ITU-T SG 16 - Q3/16	LS to ETSI TISPAN WG3 on TISPAN profile work on ITU-T H.248 related work items	Noted
21bTD031 LS53-16	ITU-T SG 16 - Q3/16	LS to ETSI TISPAN WG3, 3GPP CT WG4, MSF, ITU-T Q5/11 on the IANA Megaco/ITU-T H.248 Registry	The WG Chairman has an action to work with the ETSI Secretariat to make sure the latest published information in Registered.
21bTD065	OIPF	LS to ETSI TISPAN WG2 & WG3 on IPTV Advertising from OIPF	Reply approved as 21bTD205
21bTD195	ECMA TG32-TG17	9th draft TR/NGCN – Emergency calls	Carried to the TISPAN#22 meeting to allow members time to review the ECMA Technical Report Members are invited to respond with individual comments by 24 September

### A.3.2 Outgoing LSs

TD Nb	Destination	Subject/Title	Action requested (*)
21bTD091r4	3GPP CT1	LS concerning TS 24.229 Annex A	Approved
21bTD174r4	3GPP CT1	TS 24.229 and offerless INVITE requests	Approved
21TD073r2	3GPP CT1	LS to 3GPP CT1 concerning session transfer	Approved
21bTD205	OIPF Achitecture WG	LS on IPTV advertising	Approved

## A.4 STF requests

Subject (TD Nbr.)	Priority (*)
None	

(\*) : High, Medium, Low

## A.5 Work Programme Updates

### A.5.1 New Work Items:

TD Nb	Title (Support members, Rapporteur)
21bTD108r1	<p>Revision TS 182 025 NGN Release-3 Version 2 Enterprise Architecture and functional description; revision for the next release            Rapporteur: Goar Haspekian (France Telecom) Supporters: France Telecom, Deutsche Telekom, ..., ...            Not WG approved as DTR/TISPAN-020xx-NGN-R3</p> <p>France Telecom will socialise this proposal further – Some revisions were made – it will be re-discussed at TISPAN#22</p>

### A.5.2 Work Items stopped/withdrawn deliverables:

WI Re	Title (Reason)
None	

### A.5.3 Other changes

All changes to the active Wis are reflected in A.1

Other Changes	
<i>(indicate here any change of rapporteur, target dates, scope, deliverable type, etc... related to a WI):</i>	
WI Ref	Remarks
None	

## B Detailed Minutes

### 1 Opening session

This document is the official report of the TISPAN WG3 sessions at the TISPAN#21bis meeting in Sophia-Antipolis, France. It is a compilation of the various sessions on technical discussions and projects.

Mishca Schmidt (NEC Europe) was present and assisted as Vice Chairmen of TISPAN WG3

#### 1.1 Agenda approval

21bTD006 was approved with the allocation for documents to work-items.

#### 1.2 IPR Call

21bTD003 "Call for IPR" was made, No declarations were made during the Working Group Session.

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## 2 Report of the previous meeting

The following meeting and status reports were noted.

### 2.1 Report approval

The official meeting report of the TISPAN#13-20 in 13TD005, 14TD005, 15TD005, 16TD005, 17TD005, 18PTD005, 19PTD005, 20PTD005, 21PTD005 & 21PTD008 (summary of decisions) were noted. See <http://portal.etsi.org> for list of Publications as of May 2009 for NGN R1 and NGN R2.

### 2.2 Review of actions

21PTD006 is a list of actions from the TISPAN#20 meeting, no outstanding actions pertain directly to WG3. The NGN Interconnection activity is planned to be discussed in a Joint Session on Thursday 11 ~~October~~ June 2009.

21bTD153 summarises the thread [112] on Session modification impacts on RACS: This prepared by the WG Vice Chairman and was noted.

#### 2.2.1 Work-plan

21WTD082r1 is an overview of the TISPAN Work-plan it was noted, 21WTD026r1 is an overview of the TISPAN WG3 active work-items it was also noted.

#### 2.2.2 Procedures

18PTD045 is an overview of the TISPAN procedures combining the WGs with the plenary weeks, the Release procedure and the Change Request procedure they were noted,

### 2.3 TISPAN#18 WG3 Status Report

21PTD010r1 is the report to the TISPAN#21 plenary of the WG3 status this was noted to remind the delegates of the earlier discussions. The Current Status of the TISPAN Approved CRs is summarised on <http://portal.etsi.org>. See the ETSI Portal for the published version of the NGN release 2 definitions.

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## 3 Report from other bodies

The following meeting and status reports were noted.

### 3.1 GA#53/Board#72

Board#72 are reported at TISPAN#21 plenary in ~~21PTD0xx~~. The STF Budget for 2009 was confirmed at GA#53.

### 3.2 OCG#38

OCG#38 is being prepared were the STF budget for the future was Preparation for Board#73 next week.

The Policy of putting draft Deliverables in an OPEN area and the ETSI IPR policy with respect to the Non-approved deliverables was under consideration.

### 3.3 STF Proposals

See plenary report in 21PTD005

## 4 Drafting session

### 4.1 Drafting session for WG approved Specifications & progressing draft Release 2/3: Frozen Documentation from Earlier meetings:

None reported

### 4.2 Progress of NGN Rel-2 maintenance

It was agreed that all revised published documents for NGN r1 will be version 2.1.1 or above, where the numbers are incremented as WG agreed CRs are incorporated.

Contributions received on published deliverables may result in new WI creation (maintenance). Contributions received on TB in publication or WG3 approved drafts currently in the process of being approved on TISPAN\_GEN mailing list may result in new WI creation or cancellation of the current TB approval process.

#### 4.2.1 TS 183 043 (TS-03203-NGN-R2) IMS-based PSTN/ISDN Emulation - Stage 3 maintenance

21WTD275r1 was accepted as the latest draft at version 2.4.0 available. The WG approval of this deliverable is now postponed and aimed for approval at TISPAN#22 16 December 2009.

The document is under change control and the Release 2 output is published. It was agreed that only essential corrections can be made as Category F change Requests. Editorial Change Requests "category D" will be Considered.

The document is under change control. A CR pack will be created of the WG agreed CRs and kept until TISPAN#22 where the Latest Draft will be made available.

**As a Release 3 WI is Open for NGN Release 2, Mirror CRs may be needed to reflect the NGN release 3 changes onto NGN Release 2 text were there are essential correction & not new or additional description of features.**

**Next CR number is CR005 for NGN Release 1**

**Next CR number is CR101 for NGN Release 2**

TS 183 043

Work Item reference	Rapporteur	Current status	current version	WG approval target date
(183 043 R2) RTS/TISPAN-03203-NGN-R2 <i>IMS based PES Stage 3</i>		Start of Work Meeting Output Draft will be version vX.Y.Z in TDxxx	2.4.0	16/12/2009

**No contributions were available at this meeting**

There was no latest draft output from this meeting as the Publication of TS 183 043 was pending at TISPAN#20.

21WTD275r1 was accepted as the latest draft at version 2.4.0 available. The WG approval of this deliverable is now postponed and aimed for approval at TISPAN#22 16 December 2009.

### 4.3 Drafting session for progressing draft Release 3: Aimed to be approved TISPAN#21bis August 2009:

#### 4.3.1 DES-03034-2-NGN-R3 on NGN Congestion & Overload Control Part 2 – GOCAP

21WTD267 was accepted as the latest draft at version 3.0.0 available. The WG approval of this deliverable is postponed and postponed aimed for TISPAN#21bis 21 August 2009. The Output will be assigned to NGN Rel-3 The Output Draft will be revised to 3.0.0. It was suggested to change the Document type of all four parts to multi-part TS from an ES. The document is under change control.

[EX2011 21bTD013r2\\_Approved\\_WG3\\_report.doc24bTD013-WG3\\_Draft\\_Report\\_v004.doc](#)

**Next CR is CR030**

E/TS 283 039-2

Work Item reference	Rapporteur	Current status	current version	WG approval target date
(283 039-2 R3) DES/TISPAN-03034-2-NGN-R3 <i>GOCAP</i>	Stewart	Draft available	3.0.0	21/08/2009
<i>21bTD094</i>	<i>WI03034-2 CR on SIP procedures</i>			France Telecom
<i>21bTD147</i>	<i>WI03034-2 (GOCAP) Update</i>			BT Group Plc
<i>21bTD162</i>	<i>WI03034-2 CR on Event Package</i>			France Telecom

This CR was revised before presentation; the revisions were presented and considered small. It will be revised again to correct spellings, assigned CR026 and WG agreed as 21bTD094r2.

This CR was presented assigned CR027 and WG agreed as 21bTD147r1.

This CR was presented assigned CR028 and WG agreed as 21bTD162r1 the obvious error of Annex Numbering will be corrected.

The question of Document Type was discussed two vendors declared a preference for a change of document type to TS. France Telecom requested consistency across all the multi-part specification. It was agreed that all parts with have the same Document type at NGN Release 3. BT requested to consider this further.

21bTD171 was accepted as the latest draft at version 3.0.1 available. The WG approval of this deliverable is postponed and postponed aimed for TISPAN#21bis 21 August 2009. The Output will be assigned to NGN Rel-3 The Output Draft will be revised to 3.0.0. It was suggested to change the Document type of all four parts to multi-part TS from an ES. The document is under change control.

21bTD171 was reviewed; it was determined that there is a need for 3.1 Definitions to be drafted; There is a table tile missing in Clause 4; there is a clause missing in 5.2.4; there is a need to use the allocated AVP Codes in the ETSI namespace [620] & [621] for clause 5.2.5 "AVP Definitions"; on Page 45 there are two clause 5.3.2; Reorder the Annexes as Normative before Informative; Compile the XML code in Annex C as a .xsd file for the Plenary; Annex F this event package needs registration with IANA by ETSI. The CR029 number was allocated for the Editorial CR to correct these issues. The 21bTD171r1 shall be prepared at version 3.0.2 [the wrong file was uploaded](#). 20bTD171r24 was WG approved at version 3.0.2.

*21bTD207* *WI03034-2 CR on Editorial corrections* *Rapporteur*  
This CR was revised to add some text on Clause 3.1 Definitions allocated CR029 and WG Agreed as 21bTD207r2. 21bTD207r1 is noted.

The Concern was raised that this is the only ES remaining in TISPAN NGN Release 3 Stage 3. It was suggested to convert the multi-part deliverable to a multi-part TS. As a TS it will be easier to manage in future NGN releases. This Issue will be raised at the TISPAN Plenary.

#### 4.3.2 DTS 183 067 WI-03191-NGN-R3 on Mapping of IGMP v3 / MLD v2 to Re for multicast - stage 3 RACS NGN Rel-3

20bTD297 version 3.0.1 was available as the output draft at the meeting. The WG approval of this deliverable is postponed and now aimed for approval at TISPAN#21bis meeting 21 August 2009 as part of NGN Release 3.

It was agreed that the NGN Release-2 changes will be mirrored into the NGN Release-3 draft but as both Draft-TSs are in the state of being early Draft we do not need to produce Mirror CRs. Where a Contribution is NGN Release-2 specific this needs to be stated and the changes will not be mirrored.

#### Formal CRs are required after the Publication of TS 183 067 NGN Rel-2

#### Next Cr number is CR006.

TS 183 067

Work Item reference	Rapporteur	Current status	current version	WG approval target date
(183 067 R3) RTS/TISPAN-03191-NGN-R3 <i>Mapping of IGMP v3 / MLD v2 to Re for multicast - stage 3</i>	Huang	Draft available	3.1.0	26/02/2009

**No contributions were available at this meeting**

[EX2011 21bTD013r2\\_Approved\\_WG3\\_report.doc24bTD013-WG3\\_Draft\\_Report\\_v004.doc](#)

20bTD297 version 3.1.0 was available as the latest draft out of the TISPAN#21 plenary. The WG approval of this deliverable is postponed and now aimed for approval at TISPAN#22 meeting ~~6 Nov30~~ September 2009 as part of NGN Release 3.

#### 4.4 Drafting session for initial draft Release 2/3: Aimed to be TB approved TISPAN#22 September 2009:

##### 4.4.1 DE/TS-03034-5-NGN-R2 on NGN-R3 Congestion & Overload Control Part 5 – Layer 3 gateways

19tTD250 was accepted as the latest draft at version 0.0.3 was available. Version 0.0.4 was available after pre-processing by the ETSI Secretariat. The WG approval of this deliverable is delayed and now aimed for approval at TISPAN#22 30 September 2009 as part of NGN Release 3.

##### CRs are not yet required

E/TS	283 039-5				
Work Item reference	Rapporteur	Current status	current version	WG approval target date	
(283 039-5 R3) DE/TS/TISPAN-03034-5-NGN-R3 <i>Layer 3 gateway package</i>	Stewart	Draft available	0.0.4	25/02/2009	

##### No contributions were available at this meeting.

19tTD250 was accepted as the latest draft at version 0.0.3 was available. Version 0.0.4 was available after pre-processing by the ETSI Secretariat. The WG approval of this deliverable is delayed and now aimed for approval at TISPAN#22bis 6 November 2009 as part of NGN Release 3.

##### 4.4.2 DTR-03195-NGN-R2 TR 183 069 on Corporate Interface(s) Implementation Guide - stage 3

21WTD048r4/21bTD081 TR 183 069 version 0.0.10 was agreed as the output draft the week after the meeting. The WG approval of this deliverable is postponed and now aimed for approval at TISPAN#22 10 September 2009 as part of NGN Release 2.

##### CRs are not yet required

TR 183 069					
Work Item reference	Rapporteur	Current status	current version	WG approval target date	
(183 069 R2) DTR/TISPAN-03195-NGN-R2 <i>Corporate Interface(s) Implementation Guide - stage 3</i>	Haspekian	Draft available	0.0.10	30/09/2009	
<i>21bTD081</i>	<i>WI03195 - Input draft</i>				France Telecom
This was accepted as the latest draft with the History updated since the last meeting.					
<i>21bTD118</i>	<i>WI-03195_Restructuring-proposal</i>				Siemens Enterprise Comms.
This proposal on restructuring was agreed.					
<i>21bTD116</i>	<i>WI-03195_Outgoing-call-procedures</i>				Siemens Enterprise Comms.
This was revised in email comments: it will be reviewed and considered in the drafting session. After debate 21bTD116r2 was produced and discussed, It was agreed after discussion in the WG not to have the Editor's note with is outside the scope of the TS 182 025 requirements, which occurs in several places. It was agreed to change three titles; from "Call Establishment" to "Initial requests". 21bTD116r43 was WG Agreed.					
<i>21WTD175</i>	<i>WI-03195_Header-fields</i>				Siemens Enterprise Comms.
This TD was reviewed and WG agreed.					
<i>21bTD119</i>	<i>WI-03195_Response-codes</i>				Siemens Enterprise Comms.
This proposal was agreed with "qualified" changed to "described".					
<i>21bTD082</i>	<i>WI03195 - Correction in Table 5.7 (Contact)</i>				France Telecom
This proposal was not agreed; an error in TS 24.229 needs to be corrected in 3GPP Release 8 and reflected to 3GPP CT1. This not agreed until discussed in CT1.					
<i>21bTD083</i>	<i>WI03195 - Correction in Table 5.7 (Info-Package)</i>				France Telecom
This table is based in TS 24.229 Release 8 it is not in TS24.229 Release 7. This needs to be considered as a					

EX2011 21bTD013r2 Approved WG3\_report.doc24bTD013-WG3\_Draft\_Report\_v004.doc

CR to TS 24.503 drafted to CT1. The “m” status may need to be changed for the NGCN case. The TD was not agreed the change was postponed until alignment with TS 24.503 may be considered.

*21bTD084* *WI03195 - Correction on Table 5.7 (Request-Disposition)* *France Telecom*

This change needs to be liaised to CT1 to correct TS 24.229 Release 8. Is this an Error introduced in 3GPP Release 8. This not agreed until discussed in CT1.

*21bTD086* *WI03195 - Correction on Table 5.7 (P-Debug-ID)* *France Telecom*

This change needs to be liaised to CT1 to correct TS 24.229 Release 8. Is this an Error introduced in Release 8. This not agreed until discussed in CT1.

*21bTD087* *WI03195 - Correction on Table 5.8 (Proxy-Authentication-Info)* *France Telecom*

This change needs to be liaised to CT1 to correct TS 24.229 Release 8. Is this an Error introduced in 3GPP Release 8. This not agreed until discussed in CT1.

*21bTD088* *WI03195 - Require in responses* *France Telecom*

It was agreed to note the contribution. It was agreed that the Editor’s note needs rewording. This should be in a liaison to CT1 on Open questions on the use of TS 24.229.

*21bTD085* *WI03195 - Modification of clause 6.7.2.4* *France Telecom*

This contribution is WG agreed.

*21bTD096* *WI03195 - User Agent status in PUBLISH response* *France Telecom*

This is an alignment with TS 24.229 Release 8 in CT1. it was WG agreed with an improved Editor’s Note stating what is requested to be corrected in TS 24.229.

*21bTD089* *WI03195 - References update* *France Telecom*

This change needs to be liaised to CT1 to correct TS 24.229 Release 8. They are requested at 3GPP Release 8 to consider the latest version of the Internet-Drafts. This not agreed until discussed in CT1.

*21bTD200* *WI03195 - Output of drafting session* *France Telecom*

21bTD200 was reviewed. At the Top of page 17 the new note was questioned: the use case is not described. This note was reworded before 21bTD200 was uploaded. 21bTD200 was WG agreed as the output of the drafting Group and will be included in the Output Draft.

*21bTD090* *WI03195 - Output draft* *France Telecom*

The Style of the Editor’s Notes now changed to Informative Notes need to be reviewed according to the ETSI Drafting rules. This will be carried out by email after the WG Chairman indicates the latest version of the ETSI drafting Rules to be used.

*21bTD117* *WI-03195\_Offerless-INVITE* *Siemens Enterprise Comms.*

It was agreed to draft a LS on the offerless INVITE. The addition of an Editor’s note from 21WTD170r1 was agreed. This LS will be reviewed. 21bTD174 was reviewed and revised. 21bTD174r4 was WG approved.

*21bTD091* *WI03195 - Draft LS to 3GPP CT1* *France Telecom*

This draft LS seems to be inline with the errors found in TS 24.229. The LS was updated and WG approved as 21bTD091r2.

21bTD090 TR 183 069 version 0.0.11 was agreed as the output draft the week after the meeting. The WG approval of this deliverable is postponed and now aimed for approval at TISPAN#22 30 September 2009 as part of NGN Release 2.

#### 4.4.3 DTS-03196-NGN-R3 on Rr Diameter RACS Interface - stage 3

19TD115 version 0.0.2 was available as the output draft at the TISPAN#19ter meeting. The WG approval of this deliverable is now aimed for approval at TISPAN#22 meeting 30 September 2009 as part of NGN Release 3.

##### CRs are not yet required

TS 183 0xx

Work Item reference	Rapporteur	Current status	current version	WG approval target date
(183 0xx R3) DTS/TISPAN-03196-NGN-R3 <i>Rr Diameter RAC</i>	Huang	Draft available <i>S Interface - stage 3</i>	0.0.2	30/09/2009

No contributions were available at this meeting

[EX2011 21bTD013r2 Approved\\_WG3\\_report.doc24bTD013-WG3\\_Draft\\_Report\\_v004.doc](#)

19TD250445 version 0.0.42 was available as the output draft at the TISPAN#19ter meeting. The WG approval of this deliverable is now aimed for approval at TISPAN#22 meeting 30 September 2009 as part of NGN Release 3.

#### 4.5 Drafting session for drafting Release 3: Aimed to be TB approved TISPAN#22bis November 2009 or Later:

##### 4.5.1 DTS/TISPAN-03201-NGN-R3 Re Interface Stage 3 RACS

21WTD285 version 3.0.1 was available as the output draft at the TISPAN#21 WGs meeting. Version 3.1.0 was available as the latest draft out of the TISPAN#21 plenary. The WG approval of this deliverable is postponed and now aimed for approval at TISPAN#22bis meeting 6 November 2009 as part of NGN Release 3.

**Next CR number for NGN R3 is CR004.**

TS 183 060

Work Item reference	Rapporteur	Current status	current version	WG approval target date
(183 060 R3) RTS/TISPAN-03201-NGN-R3 <i>Re Stage 3 Specification</i>	Huang	Draft Abvialable	3.1.0	10/06/2009

**No contributions were available at this meeting**

21WTD285 version 3.0.1 was available as the output draft at the TISPAN#21 WGs meeting. Version 3.1.0 was available as the latest draft out of the TISPAN#21 plenary. The WG approval of this deliverable is postponed and now aimed for approval at TISPAN#22bis meeting 6 November 2009 as part of NGN Release 3.

##### 4.5.2 TS 183 063 DTS/TISPAN-03204-NGN-R3 IPTV Stage 3 NGN Release 3

21WTD293 was accepted as the latest draft at version 3.0.1 available at TISPAN#21 WGs meeting. Version 3.1.0 was available as the latest draft out of the TISPAN#21 plenary. The deliverable is now aimed for approval at TISPAN#22 16 December 2009.

**Next CR is CR016 to NGN Rel-2**

**Next CR is CR018 to NGN Rel-3**

Work Item reference	Rapporteur	Current status	current version	WG approval target date
(183 063 R3) RTS/TISPAN-03204-NGN-R3 <i>IPTV IMS scope stage 3</i>	Zhang	Draft available	3.1.0	16/12/2009

**21bTD112** *WI3204\_CR\_Restricted Trick Play service procedures* HUAWEI TECHNOLOGIES  
This CR was presented. There was a discussion about the interaction with Playlist, e.g. Start Time / End Time. The RTSP version 2 capability of sending an announcement may need to be considered here. This CR was assigned to the Drafting session. 21bTD112r1 was allocated CR006, with the addition of two Editor's Notes and WG Agreed.

**21bTD103** *WI3204\_SCF-Initiated Sessions* TNO  
This CR was presented. There were a number of comments made and changes resulted in 21bTD103r1. This CR was assigned to the Drafting session. 21bTD103r2 was allocated CR007 and WG Agreed.

**21bTD155** *WI3204: Introduction of TV Anytime Phase 2 as SSF technology* NEC EUROPE LTD  
This CR was presented. There was a discussion about TV Anytime Phase 2. It was questioned what are the new features in TV Anytime phase 2. The Answer if Personal Media was suggested. This CR is postponed until TISPAN#22. This CR will be re-discussed.

**21bTD114** *WI3204\_CR\_The Procedures for Service Initiation by Remote UE* HUAWEI TECHNOLOGIES  
This CR was presented. There was a discussion about the support of REFER in IPTV. This was postponed to TISPAN#22 as a number of companies were for exploring other alternatives. There was support for adding the support of REFER and showing its required use in Session Transfer. This CR can be discussed in the drafting session as the motivation for the postponement was not entirely understood. In drafting it was

expressed that an editor's note inviting alternative proposals would address the concerns raised in the meeting. In drafting it was asked to replace GRUU with SIP instance.

21bTD114r1 was allocated CR008 and WG Agreed as 21bTD114r2.

*21bTD109*

*WI3204 Playlist Procedures*

NEC Corporation

This CR was presented there was a discussion on the use of only the SIP MESSAGE or include also the RE-INVITE. Should one method be specified? This will be discussed in the Drafting Session. 21bTD109r1 was discussed in drafting and it was asked to add an editor's note to investigate the relation to Trick Play restriction procedures. It was asked to clarify if the reference to the SMIL Mobile Profile was imposing additional requirements. 21bTD109r1 is noted. 21bTD109r2 was allocated CR009 and WG Agreed in 21bTD109r3

*21bTD110r1*

*WI3204\_CR\_Notification\_Service*

HUAWEI TECHNOLOGIES, FT

This CR was presented and includes the requirement in 21bT121. It was discussed if Multicast and Unicast could be merged. It was suggested to redraft the CR to re-use the existing section in Clause 8 not to redefine the text again. A list of comments was made clarifying the text. It was agreed to separate the support of Media path Notification and Signalling Path Notification it may be agreed to specify these in the same clause. This CR was assigned to the Drafting session. TD110r3 represents a merging with TD121, based on SIP MESSAGE. It was asked to add an editor's note to invite investigation of using FLUTE for multicast delivery of notifications. It was discussed whether multicast notification paths could be part of the existing SSF data or if it required an extension of the metadata definition. Potentially using a signalling path notification to inform the UE of the multicast notification path is also a viable solution. General concerns were expressed about the mechanism for the SCF instructing an MF through SIP. 21bTD110r1, r2, r3 & r4 were noted. 21bTD110r5 was allocated CR010 and WG Agreed with AdInsertion changed to ContentInsertion.

*21bTD121*

*WI3204\_Procedures\_for\_Notification\_Service*

Alcatel-Lucent

This CR is covered by 21bTD110. So is considered to be merged into that CR in 21bTD110r1. The SIP Notify method is additionally proposed in this CR. This may need to be discussed further in the Drafting Session. It was merged into 21bTD110r5.

*21bTD104*

*WI3204\_Personalised\_Service\_Composition*

TNO

This CR was presented. There was a discussion about the use cases for PSC. This CR was assigned to the Drafting session. In drafting, no revision was needed and it appears the original contribution can go for WG agreement. 21bTD104r1 was allocated CR011 and WG Agreed to allocate the CR number.

*21bTD115r3*

*WI3204\_CR\_Procedure\_for\_Retrieving\_User's\_IPTV\_Service\_Access* HUAWEI TECHNOLOGIES, ChinaTele

This CR was presented. There was a discussion about the exploration service usage. The last paragraph of 5.1.6.1 will be replaced by a reference to the appropriate RFC. A note was agreed to say that multiple Notify messages may be used to convey the Presence information. This CR was assigned to the Drafting session. 21bTD115r4 was discussed in drafting. It was clarified that the filter mechanism in Presence is already existing – it was required that a reference is added. It was clarified that the SAH mechanism is optional, but Presence is the only way specified in stage 2 to access another user's SAH. It was mentioned that privacy and regulatory aspects need to be considered and it needs to be investigated if the existing presence management and policy mechanisms are sufficient for addressing these. An appropriate editor's note is to be added 21bTD115r5 was allocated CR012 and WG Agreed as 21bTD115r6.

*21bTD097*

*WG3\_Overview\_of\_TNO-KPN\_Contributions*

TNO

This TD was noted.

*21bTD098*

*WI3204\_Discussion\_on\_Synchronization\_Procedures*

TNO

This discussion document was presented. Questions were asked about the alignment with the IPTV Release 3 Stage 2. There were a number of concerns about Multicast. Sync SC-SC was suggested. There were questions on this approach could it be made more service independent? It was agreed that service independence was the intention. 21bTD098r1 was reviewed in drafting which contains concluding remarks based on discussion on the synchronization topic. Concerning the introduction of additional functionality into transport functions, experts in transport functions should be consulted – this is probably also a stage 2

question. This issue only impact's the 'mapping 2' documented in 5.4.2 of WI2070; it was felt stage 3 can progress investigating 'mapping 1'. Another issue to point out is that 'mapping 2' cannot be realized using a sequence of SCs within the hierarchy of the multicast tree. Terminology of SC and MSAS might need to be revisited (also in light of stage 2). The Discussion document was noted.

21bTD099

WI3204\_Applicability\_of\_Synchronization

TNO

This CR proposes to add the Functionalities to the Applicability section. Modifications were requested to this CR. The way this is depicted needs to be reconsidered. This will be considered in the drafting Group. 21bTD099r2 was considered in drafting. It was debated whether the SC and MSAS entities should be depicted in figure 4.1 – considering that figure 2 of WI2070 doesn't depict SC and MSAS. The Synchronization entities should be documented in a separate clause. The Relations between SC and MSAS entities in the different deployment scenarios/mappings should be explained. The questions to transport experts relating to TD098 also apply. 21bTD099r3 was allocated CR013 and WG Agreed as 21bTD099r4 to allocate the CR Number and remove Changes on changes.

21bTD101

WI3204\_Synchronization\_Session\_Setup

TNO

This CR will be considered in the Drafting Session. It was asked to clarify how the UE knows that a service should be synchronized. It was clarified that the related RTCP synchronization attributes need to be introduced to SDP and the XR need to be defined in respective standards – an editor's note seems sufficient for that. It was asked to clarify why the UE is limited to participate in only one synchronization session. Receiving multiple media streams might be a complication. Maybe the limitation could be removed. Backwards compatibility (e.g. SCF not supporting synchronization) needs to be indicated. It was debated whether the SC and MSAS should be described stand-alone (to be collocated with other entities – similar to stage 2 documentation) or whether the form of documentation chose in this CR should be followed where the impacts on existing entities is specified directly. It should be made clear that a limited group of users is targeted regarding the UE based procedures.

21bTD100

WI3204\_Synchronization\_Example\_Signalling\_Flows

TNO

This CR will be considered in the Drafting Session. In drafting it was clarified that the MSAS can proxy the RTCP reports towards the MDF. In TD101 it is clarified where the UE gets the MSAS address from. More information on the status and settings information exchanged was desired. It was clarified that the MSAS can generate the SyncGroupID, however the SCF needs to understand the SyncGroupID parameter to be able to invoke the MSAS in case it is not collocated with the SCF – this is an impact not clear in stage 2. It was questioned whether the MSAS can alter the SDP offer of the UE to integrate the parameters towards MF. Multicast aspects should be elaborated. Conclusion: revision desired for the next meeting.

21bTD102

WI3204\_RTCP\_for\_Synchronization

TNO

This CR will be considered in the Drafting Session. It depends on the conclusion of the overall concept on synchronization and therefore depends on the other CRs on this matter. It was debated whether the SC and MSAS should be described stand-alone (to be collocated with other entities – similar to stage 2 documentation) or whether the form of documentation chose in this CR should be followed where the impacts on existing entities is specified directly. The text for UE impacts and ECF/EFF should be aligned. The RTCP support text in 11.1.1.1 should be formatted as a sub-bullet of the RTP bullet.

21bTD113r1

WI3204\_CR\_Protocol\_Implementation\_for\_PCh\_Service

HUAWEI TECHNOLOGIES, ChinaTele

This CR was presented. There was a discussion about clause 5.1 not to support the MF centric approach: it was stated that this is specified at stage 2. It was stated that the CR could separate the two approaches into different CRs. This was still under discussion. It was agreed to keep the options together for this meeting. This CR was assigned to the Drafting session. In drafting 21bTD113r2 was discussed. The MF based option for PCh should be using the playlist procedures, the delivery of PCh is unicast/CoD based. It was mentioned that for symmetry, the UE based option might be realized by sending a playlist from the SCF to the UE. This approach is for further study/contribution. 21bTD113r2 is noted. 21bTD113r3 discussed and will be revised further, in Clause 5.4 the MF Option titles are to be removed. In Clause 5.3.x.2.1.1 the sentence above the bullets forward INVITE was questioned: modified to "...acting as a B2BUA then forward the INVITE request to the selected MCF...". 21bTD113r4 was revised to add a Note on overlapping procedures in

[EX2011\\_21bTD013r2\\_Approved\\_WG3\\_report.doc24bTD013-WG3\\_Draft\\_Report\\_v004.doc](#)

21bTD113r5. 21bTD113r5 was allocated CR014 and WG Agreed as 21bTD113r6 also to remove the changes on changes.

*21bTD111*

*WI3204\_CR\_Ad\_Service\_Procedures-TISPAN\_Option*

HUAWEI TECHNOLOGIES

This CR was presented. In clause 5.1.Y.1.1 is both Unicast & Multicast supported? The Aim is to support Multicast. There may be accuracy issues about the insertion on Adverts in Multicast. There was a discussion about SSD in Clause 5.3.Y.1.1 this was taken from WI-02070. This CR was assigned to the Drafting session. If the Stage 2 procedures change this CR may be affected. The current Stage 2 is considered stable. The Sub-clauses proposed as void were discussed it was questioned if these areas need to be addressed. It may be possible to use Playlist to synchronise the start of Adverts in the TAI Request. The text on Trick play may be redundant. It may be possible to use Playlist to synchronise the start of Adverts in the TAI Request. In drafting it was decided to capture this in an editor's note for further investigation. The text on Trick play may be redundant. In drafting it was decided to remove the TrickPlayEnabled parameter. There was a debate whether the term advertisement should be used if the Application Level Logic for selecting Advertisements was not to be specified. It was mentioned that the definition of Advertisement Selection Logic is a complex task which might exceed the scope of WI3204 – documentation form needs to be considered. A general purpose mechanism for media insertion is desired, e.g. using a playlist feature. Another approach to documenting TAI (instead of documenting specific subclauses) could be to introduce references to TAI in procedures that can be used in light of TAI. There was no consensus on this debate. In general generic procedures should be reused as much as possible. This could be captured in an appropriate Editor's note. The contribution was split into two parts. The second part is contained in TD196. The contribution will be revised to refer in the UE based TAI clauses to the procedures of TD196.

21bTD111r1 was discussed, revised and noted. 21bTD111r2 was allocated CR017 and WG agreed as 21bTD111r3 to allocate the CR number.

21bTD196, r1, & R2 are noted.

*21bTD196r3* The contribution was created due to drafting discussions and is a spin-off from TD111 to introduce a UE focused general content insertion procedure. It is FFS, whether this can be combined with the playlist definition/procedures. The "IPTVContentIdentifier" values should not be limited to "CoD content ID" and "BC service ID". It was concluded that the notification sent to the UE indicating content for insertion will cause the UE to start another session for fetching the indicated content. If notifications are sent outside a session, a binding mechanism is needed to correlate the session to be started for fetching indicated content to the session the content is inserted into. PSCID was seen as an option to investigate. An Editor's note is to be added. 21bTD196r3 was allocated CR015 and WG Agreed as 21bTD196r4 to include the allocated CR number and remove changes on changes.

The alignment of ContentInsertion and AdInsertion will be considered at a future meeting. There was a debate on having a more generic notification term in a future meeting. The Idea received some positive feedback and possible merit.

*21bTD154r1*

*WI3204: Procedures for IPTV Content Marker*

NEC EUROPE LTD, France Tele

This CR was presented. There was a discussion about a method for In Session and a method for Out of an ongoing Session. This CR was assigned to the Drafting session. During drafting it was asked to add editor's notes for investigating in-session methods. 21bTD154r2 & r3 were discussed and noted. 21bTD154r4 was allocated CR0016 and WG agreed as 21bTD154r5 to allocate the CR number and remove the Changes on Changes.

21bTD209r1 was accepted as the latest draft at version 3.1.1 available after TISPAN#21bis. The deliverable is now aimed for approval at TISPAN#22 16 December 2009.

### 4.5.3 DTS/TISPAN-03205-NGN-R3 Gq' Interface Stage 3 RACS

The Published TS 183 017 NGN Rel-2 version at 2.3.1 is available as Published baseline exists to start the TS 183 017 NGN Rel-3 revision.

CR001 revises the published document from NGN Rel-2 to an NGN Rel-3 starting point. 21WTD081 was available at this meeting as version 3.0.0 as an input draft

21bTD153 summarises the thread [112] on Session modification impacts on RACS: This prepared by the WG Vice Chairman and was noted.

21WTD215/21bTD079 version 3.0.0 was available as the output draft at the TISPAN#21 WGs meeting. The WG approval of this deliverable is postponed and now aimed for approval at TISPAN#22bis meeting 6 November 2009 as part of NGN Release 3.

Next CR number for NGN R3 is CR004.

TS 183 017

Work Item reference (183 017 R3) RTS/TISPAN-03205-NGN-R3 <i>Gq' stage 3 Specification</i>	Rapporteur Kawakami	Current status Progressing	current version 3.0.0	WG approval target date 06/11/2009
21bTD079 <i>WI03205 Input_draft</i>				NTT corporation

This was the same content as the output draft of the last meeting and was accepted.

21WTD117r1  
*WI03205 The Flow-Status AVP in the session modification procedure* NTT corporation

The discussion document was noted. It was questioned what the value of the New Proposed HOLD state is? The impacts on Rq, Re and P-CSCF (Common IMS) were a concern and more time was requested to consider the impacts. After Discussion during the meeting 21WTD117r2 was created describing the alternative options. NTT / NEC preferred their proposal others preferred an Alternative. There was an understanding that there was a use case that required some modifications to the RACS. WG3 will create a semi-formal Thread of Discussion on the TISPAN\_WG3 email list and announce it on the TISPAN\_Gen list. The WG3 Vice Chairman will initiate this Email Thread as [112]. The Thread will Close on 12 noon on 5<sup>th</sup> August 2009.

21bTD153  
*Summary of WG3 email thread [112]* NEC EUROPE LTD

This Summary was noted.

21bTD092  
*WI\_3205 Clarification of the value of the Flow-Status AVP during* NEC EUROPE LTD

The CR was presented; an improved wording was proposed to the change in Clause 5.2.1, this was allocated CR002 and WG agreed as 21bTD092r1. The Backward and 3GPP Rx & Gq compatibility of the states will need to be considered.

21WTD027  
*LS on Reservation priority range AVP* 3GPP CT3

This TD was discussed; it was question how the usage maps; since their next meeting is after our next meeting the question can be postponed until August.

21bTD095  
*WI 03205 Update of the Reservation priority AVP* Alcatel-Lucent

The CR was WG Agreed as CR003 in 21bTD095r1.

21bTD080  
*WI03205 Output\_draft* NTT corporation

21bTD080 version 3.0.1 was available as the output draft at the TISPAN#21bis meeting. The WG approval of this deliverable is postponed and now aimed for approval at TISPAN#22bis meeting 6 November 2009 as part of NGN Release 3.

### 4.5.4 DTS/TISPAN-03207-NGN-R3 DSS1-SIP Inter-working

21WTD298 was available at this meeting as version 3.0.1 as an output draft at the TISPAN#21 WGs meeting. Version 3.1.0 was available as the latest draft out of the TISPAN#21 plenary. The WG approval of this deliverable is now aimed for approval at TISPAN#23 meeting 16 December 2009 as part of NGN Release 3.

The Published TS 183 036 NGN Rel-2 version at 2.1.1 is available as Published baseline exists to start the TS 183 036 NGN Rel-3 revision.

**CR001** revises the published document from NGN Rel-2 to an NGN Rel-3 starting point, this is available in 21WTD028 adding text on CW, CCBS etc to the NGN Rel-2 version.

**Next CR number for NGN R3 is CR010.**

TS 183 036

Work Item reference (183 036 R3) RTS/TISPAN-03207-NGN-R3 <i>DSS1-SIP Inter-working</i>	Rapporteur Ott	Current status Progressing	current version 3.1.0	WG approval target date 16/12/2009
<i>21bTD051</i>	<i>WI-03207 Clause 5-1-1-2-1-3</i>			Telefon AB LM Ericsson
This CR was WG agreed as CR003 as 21bTD051r1.				
<i>21bTD052</i>	<i>WI-03207 Clause 5-1-1-2-2-3</i>			Telefon AB LM Ericsson
This TD was revised before the submission deadline.				
<i>21bTD052r1</i>	<i>WI-03207 Clause 5-1-1-2-2-3</i>			Telefon AB LM Ericsson
This CR was WG agreed as CR004 as 21bTD052r2. Table 5.1.1.2.2.3-3 was also corrected to align the entry with "not in the Codec List"				
<i>21bTD053</i>	<i>WI-03207 Annex B error</i>			Telefon AB LM Ericsson
This CR was WG agreed as CR005 as 21bTD053r1.				
<i>21bTD054</i>	<i>WI-03207 Annex C ref error</i>			Telefon AB LM Ericsson
This CR was WG agreed as CR006 as 21bTD054r1.				
<i>21bTD055</i>	<i>WI-03207 Mutiple BCs Order Error</i>			Telefon AB LM Ericsson
This CR was WG agreed as CR007 as 21bTD055r1.				
<i>21bTD056</i>	<i>WI-03207 PSTN XML</i>			Telefon AB LM Ericsson
This CR was WG agreed as CR008 as 21bTD056r1. Revised to Category "D" CR				
<i>21bTD057</i>	<i>WI-03207 Repeated Table Row</i>			Telefon AB LM Ericsson
This CR was WG agreed as CR009 as 21bTD057r1.				

21bTD190 was available at this meeting as version 3.1.1 as an output draft at the TISPAN#21bis meeting. The WG approval of this deliverable is now aimed for approval at TISPAN#23 meeting 16 December 2009 as part of NGN Release 3.

#### 4.5.5 DTS/TISPAN-03208-NGN-R3 Integrated IPTV subsystem stage 3 Specification

21WTD182r2 is the Work-item description to start the revision of TS 183 064 Integrated IPTV from NGN Rel-2 to NGN Rel-3. The WI is WG approved.

**The Published TS 183 064 NGN Rel-2 version at 2.1.1 is available as Published baseline exists to start the TS 183 064 NGN Rel-3 revision.**

**Next CR number for NGN R3 is CR004.**

TS 183 064

Work Item reference (183 064 R3) RTS/TISPAN-03208-NGN-R3 <i>Integrated IPTV</i>	Rapporteur Mikoczy	Current status Start of Work	current version 2.1.1	WG approval target date 16/12/2009
<i>21bTD028</i>	<i>WI3208_input_draft</i>			ETSI
<b>CR001</b> revises the published document from NGN Rel-2 to an NGN Rel-3 starting point, this is available in 21bTD028.				Slovak Telekom, a.s.
<i>21bTD028r1</i>	<i>WI3208_input_draft</i>			
<b>This was reviewed accepted as the Input draft as CR001.</b>				
<i>21bTD135</i>	<i>WI3208_NGN_integrated_IPTV_status</i>			Slovak Telekom, a.s.
This discussion document has some obvious errors to the heading of Table 1A. As a Outline of he wasy forward it was accepted, and Noted as a discussion document.				
<i>21bTD136</i>	<i>WI3208_NGN_integrated_IPTV_new_sections</i>			Slovak Telekom, a.s.
This proposal was WG agreed as CR002 it will be revised in 21bTD136r1				
<i>21bTD137</i>	<i>WI3208_NGN_integrated_IPTV_architecture_stage3</i>			Slovak Telekom, a.s.
This proposal was WG agreed as CR003 it will be revised in 21bTD137r1 the term Dedicated is changed to NGN Integrated.				

21bTD175 was available at this meeting as version 3.0.1 as an output draft at the TISPAN#21bis meeting. The WG approval of this deliverable is now aimed for approval at TISPAN#23 meeting 16 December 2009 as part of NGN Release 3.

#### 4.5.6 DTS/TISPAN-03209-NGN-R3 IMS based PES

21WTD237r2 is the Work-item description to start the revision of TS 183 043 IMS based PES IPTV from NGN Rel-2 to NGN Rel-3. The WI is WG approved.

**The Published TS 183 043 NGN Rel-2 version at 2.4.0 is available as Published baseline exists to start the TS 183 043 NGN Rel-3 revision with the application of the NGN rel-2 Correction CRs just TB approved at TISPAN#21.**

**As a Maintenance WI is Open for NGN Release 2, Mirror CRs may be needed to reflect the NGN release 3 changes onto NGN Release 2 text were there are essential correction & not new or additional description of features.**

21bTD029 was available at this meeting as version 3.0.1 as an output draft at the TISPAN#21 WGs meeting

**Next CR number for NGN R3 is CR0065.**

TS 183 043

Work Item reference	Rapporteur	Current status	current version	WG approval target date
(183 043 R3) RTS/TISPAN-03209-NGN-R3 IMS based PES Stage 3	Tscham	Start of Work	3.0.1	16/12/2009

[21bTD029](#) [WI03209\\_input\\_draft](#) ETSI  
**CR001** revises the published document from NGN Rel-2 to an NGN Rel-3 starting point; this is available in 21bTD029 adding agreed CRs to the published NGN Rel-2 Specification.

[21bTD040](#) [WI03209\\_Clarification\\_on\\_MCID](#) France Telecom  
 This CR was presented. Comments on C.11.6 and C.11A.3 does Annex B provide the sufficient text. It was suggested to reinstate part of the deleted paragraphs. A better solution is to fix the specification in Annex B. It was agreed to not modify C.11.4 or C.11.6 in this CR and propose this in a future meeting. It was agreed to add a Note to C.11A.3. 21bTD040r1 was WG agreed as CR002. A partial Mirror of some corrections may be required as a NGN Release 2 CR at the next meeting.

[21bTD122](#) [WI3209\\_Overlap\\_dialling\\_option\\_applying\\_to\\_Three\\_Party\\_service](#) Alcatel-Lucent  
 This CR was presented. It was agreed to reword the terminology to “between the AGCF/VGW and the Application Server at the originating side the Overlap Signalling”. 21bTD122r1 was WG agreed as CR003. A Mirror CR of the corrections may be seen as nice but not essential to NGN Release 2.

[21bTD124](#) [WI3209\\_Editorial\\_changes\\_in\\_B.4.2.2.2\\_and\\_F.2.1.1.1](#) Alcatel-Lucent  
 This CR was presented. It was agreed to change the Category to “D”. 21bTD124r1 was WG agreed as CR004. A Mirror CR of the corrections may be seen as nice but not essential to NGN Release 2.

[21bTD043](#) [WI03209\\_Clarification\\_on\\_CW](#) France Telecom  
 This CR was presented. It was agreed to change clause 7 editorially. 21bTD043r1 was WG agreed as CR005. A Mirror CR of the corrections may be seen as nice but not essential to NGN Release 2.

[21bTD123](#) [WI3209\\_Announcements\\_during\\_Call\\_Setup\\_phase](#) Alcatel-Lucent  
 This CR was presented. It was questioned about the presence of the SDP Answer. The Proposed changes may be to the wrong clause. This CR needs re-drafting. Is the requirement in Clause 7.3.3.1 step 2.

[21bTD125](#) [WI3209\\_Support\\_of\\_Voiceband\\_Data\\_and\\_Fax\\_over\\_IP](#) Alcatel-Lucent  
 This CR was presented. It was questioned if VBDolP is addressed by these changes. Regarding the Media descriptors – V.152 may not be required because of backward compatibility. Two m=lines are unlikely to be supported. This CR needs re-drafting. 21bTD125r1 was presented and noted.

[21bTD126](#) [WI3209\\_Support\\_of\\_V.152](#) Alcatel-Lucent  
 This CR was presented. It was said that there should be a reference to the AGW H.248 Profile TS 183 002 in the main body rather than duplicate the text. This CR needs re-drafting.

[21bTD127](#) [WI3209\\_Support\\_of\\_T.38](#) Alcatel-Lucent  
 This CR was presented. It was questioned why CED tone was selected rather than the V.21 pre-amble. It was agreed that the text could be changed. This Annex appears to describe how T.38 is to be supported. It was said that there should be a reference to the AGW H.248 Profile TS 183 002 to align with the H.248 profile where it may be supported. The proposed text could be referenced against the VGW and not the AGCF. This

[EX2011\\_21bTD013r2\\_Approved\\_WG3\\_report.doc24bTD013-WG3\\_Draft\\_Report\\_v004.doc](#)

CR needs re-drafting.

*21bTD128*

*W13209 Examples of revised SDP offer answer model*

Alcatel-Lucent

This document was presented. This informative discussion document was noted.

21bTD191 was available at this meeting as version 3.0.2 as an output draft at the TISPAN#21bis meeting. The WG approval of this deliverable is postponed and now aimed for approval at TISPAN#23 meeting 16 December 2009 as part of NGN Release 3.

*21bTD152*

*W13209 LS on transfer of MGCF and IBCF specification to 3G*

Alcatel-Lucent

The proposed LS was Presented. Comments were made on inviting CT1 to consider the MGCF/IBCF in the Context of IMS. Also remove the Common IMS discussion in the LS. Also to highlight the Stage 2 overlap. Nortel were against sending the LS to CT1. It was seen without nss support the transfer may be very minimal.

#### 4.6 JM WG2/WG3 on WI-03195:

A Joint session was held. See Clause 4.3.3 above.

#### 4.7 JM WG3/WG4 on Addressing:

No Joint session was held.

#### 4.8 JM WG3/WG5:

No Joint session was held.

#### 4.9 JM WG3/WG7 on Security:

A Joint session was held.

ECMA TC32-TG17 (21WTD269) - "Security of session-based communications": comments are requested on the four Requirements on NGN in clause 11.1. These are all Security Requirements – WG7 is actioned to draft a LS to ECMA if required. Response is requested for approval at the ECMA meeting on the 24<sup>th</sup> September 2009. ECMA members may respond directly to ECMA.

IPTV security (21bTD105) – "IPTV Service Protection Mechanism on MBMS ": The CR was presented. This contains an outline draft of WI-07033. Is this a Duplication of the Work in 3GPP? Similar issues are being discussed in SA4 on Securing the Media Plane for IMS based IPTV.

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## 5 Review of Work Programmes

See WG3 Work Programme database online in executive Summary.

*21WTD026r1*

Other input

*WG3 Work-Programme*

WG Chairman

Noted, 21bTD160 was revised during the TISPAN#21bis meeting.

*21bTD129*

Other input

*TISPAN Work-Programme*

WG Chairman

Noted

See Executive Summary Part A of this report for changes to the Work-programme for agreed New WIs; the Following WIs were NOT agreed:

TD Nb	Title (Support members, Rapporteur)
21bTD108r1	<p>Revision TS 182 025 NGN Release-3 Version 2 Enterprise Architecture and functional description; revision for the next release  Rapporteur: Goar Haspekian (France Telecom) Supporters: France Telecom, Deutsche Telekom, ..., ...</p> <p>Not WG approved as DTR/TISPAN-020xx-NGN-R3</p> <p>France Telecom will socialise this proposal further – Some revisions were made – it will be re-discussed at TISPAN#22</p>

## 6 Liaison Statements matters

See Executive Summary Part A of this report for a summary on the handling of Liaison Statements.

## 7 WG approval of deliverables

See Executive Summary Part A of this report for a summary on the first page.

## 8 Next interim meetings

Future meetings of WG3 are expected to Approve Documents: Face 2 Face TISPAN WG3 a 3 day session at TISPAN#22 WGs 28-30 September 2009 and a 5 day session at TISPAN#22bis 2-6 November 2009, in Sophia Antipolis, France; unless there are volunteers to host elsewhere.

## 9 AOB

### 9.1 Technical Issues

None reported

### 9.2 Other Issues

None reported

## 10 Closing session

### 10.1 Review of the report to Plenary

21bTD013 the Report of WG3 at TISPAN21bis WGs will be finally approved by correspondence. The WG session closed at 14h40 on 21 August 2009.

Annex For information only: list of Rel-2 deliverables completed (no update expected)

Table A.1.2

Uniq ue_ID	Title	Level	Class	Type	Referenc e	Rel/Proj	ETSI Pub Number	Rapporteur	Status
26349	IMS Call Control Protocol based on SIP and SDP Stage 3 [3GPP TS 24.229 Rel-7 modified]	2	R	ES	3120	R2	283 003	daniela.barcariol@telecomitalia.it	Published as V.2.5.1 since 2008-04-01
28497	IMS Call Control Protocol based on SIP and SDP Stage 3 [3GPP TS 24.229 Rel-7 modified]	2	R	ES	3172	R2	283 003	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.6.0 since 2008-04-30
27731	H.248 Profile for controlling MRFP in the IMS; Protocol specification [3GPP TS 29.333 Rel-7 modified]	2	R	TS	3146	R2	183 031	bruno.chatras@orange-ftgroup.com	Published as V.2.0.0 since 2008-02-05
27047	Common Basic Communication procedures; Protocol specification	2	R	TS	3131	R2	183 028	barbara.pareglio@ericsson.com	Published as V.2.4.0 since 2008-01-30
28484	Common Basic Communication procedures; Protocol specification	2	R	TS	3162	R2	183 028	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.5.0 since 2008-04-30
28505	Interworking between IMS and IP networks (Endorsement of 3GPP TS 29.162) Diameter-based protocol between CSCF and UPSF/SLF; Signalling flows and protocol details [3GPP TS 29.228 V6.8.0 and 3GPP TS 29.229 V6.6.0, modified]	2	R	TS	3181	R2	183 021	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.0.0 since 2008-04-30
28516	Advice Of Charge (AOC) Stage 3	2	R	TS	3183	R2	183 033	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.0.0 since 2008-04-30
21160	Advice Of Charge (AOC) Stage 3	3	D	TS	3030	R2	183 047	Martin.Huelsemann@telekom.de	Published as V.2.1.1 since 2007-03-27
28489	Advice Of Charge (AOC) Stage 3	3	R	TS	3167	R2	183 047	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.2.0 since 2008-04-30
25091	Support of SMS and MMS over NGN IMS subsystem; Stage 3 [Endorsement of 3GPP TS 24.341 Release 7]	2	D	TS	3084	R2	183 051	attila.molnar@nsn.com	Published as V.2.1.0 since 2007-10-30
28490	Support of SMS and MMS over NGN IMS subsystem; Stage 3 [Endorsement of 3GPP TS 24.341 Release 7]	3	R	TS	3168	R2	183 051	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.2.0 since 2008-04-30
28517	Messaging service using the IMS: Stage 3: Protocol specifications [Endorsement of 3GPP TS 24.247 Release 6]	3	R	TS	3184	R2	183 041	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.0.0 since 2008-04-30
22951	DC: SIP Protocol Specification (OMA-TS-PoC_ControlPlane-V1, modified and OMA-TS-PoC_UserPlane-V1, modified and OMA-TS-PoC_XDM-	3	D	TS	3056	R2	183 045	Jan.Holm@ericsson.com	Published as V.2.1.1 since 2007-02-16

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- Commented [cs10]: WPM database identifier. Please do not change
- Commented [cs11]: Classification made by release and then by global/parent feature
- Commented [cs12]: Hierarchical level in Work Plan
- Commented [cs13]: Draft or Revised WI
- Commented [cs16]: Release or Project

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Uniq ue ID	Title	Level	Class	Type	Referenc e	Rel/Proj	ETSI Pub Number	Rapporteur	Status
	V1, modified)								
28518	Presence Architecture and functional description	3	R	ES	3185	R2	283 030	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.0.0 since 2008-04-30
25551	CUG Protocol specification	3	D	TS	3105	R2	183 054	r.jesske@telekom.de	Published as V.2.1.0 since 2007-11-26
28491	CUG Protocol specification	3	R	TS	3169	R2	183 054	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.2.0 since 2008-04-30
24365	CDIV Protocol specification	3	R	TS	3075	R2	183 004	r.jesske@telekom.de	Published as V.2.4.0 since 2008-01-23
27733	CDIV Protocol specification	3	R	TS	3148	R2	183 004	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.5.0 since 2008-04-29
25090	CONF Protocol specification	3	R	TS	3083	R2	183 005	zhouqing@huawei.com	Published as V.2.5.0 since 2008-01-30
28453	CONF Protocol specification	3	R	TS	3150	R2	183 005	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.6.0 since 2008-04-29
24360	MCID Protocol Specification	3	R	TS	3072	R2	183 016	r.jesske@telekom.de	Published as V.2.5.0 since 2007-07-24
28464	MCID Protocol Specification	3	R	TS	3158	R2	183 016	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.6.0 since 2008-04-29
24364	TIP and TIR Protocol specifications	3	R	TS	3074	R2	183 008	gaast@ALCATEL-LUCENT.COM	Published as V.2.4.1 since 2007-08-30
27316	TIP and TIR Protocol specification	3	R	TS	3143	R2	183 008	gaast@ALCATEL-LUCENT.COM	Published as V.2.7.0 since 2008-01-23
28460	TIP and TIR Protocol specifications	3	R	TS	3154	R2	183 008	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.8.0 since 2008-04-29
25089	ECT Protocol specification	3	R	TS	3082	R2	183 029	Martin.Huelsemann@telekom.de	Published as V.2.5.0 since 2008-01-28
28486	ECT Protocol specification	3	R	TS	3164	R2	183 029	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.6.0 since 2008-04-30
28506	<b>PSS XML Configuration Access Protocol (XCAP) over the Ut interface</b>	2	R	TS	3182	R2	183 023	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.0.0 since 2008-04-30
28501	MWI Protocol specification	3	R	TS	3177	R2	183 006	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.0.0 since 2008-04-30
28503	HOLD Protocol specification	3	R	TS	3179	R2	183 010	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.0.0 since 2008-04-30
28504	ACR and CB Protocol specification	3	R	TS	3180	R2	183 011	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.0.0 since 2008-04-30
28502	OIP and OIR Protocol specification	3	R	TS	3178	R2	183 007	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.0.0 since 2008-04-30
26367	<b>IMS-based IPTV stage 3 specification</b>	2	D	TS	3127	R2	183 063	yan_jun@huawei.com	Draft receipt by Secretariat as V.2.0.10 since 2008-05-06

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Uniq ue ID	Title	Level	Class	Type	Referenc e	Rel/Proj	ETSI Pub Number	Rapporteur	Status
2523 8	<b>Register of assigned protocol numbers and names</b>	2	D	TR	3100	NG N	183 050	ultan.mulligan@etsi.org	Published as V.1.1.1 since 2007-03-27
2590 6	<b>SIP Transfer of IMS Service Tariff Information; Protocol specification</b>	2	D	TS	3113	R2	183 058	Martin.Huelsemann@telekom.de	Published as V.2.0.0 since 2008-01-28
2849 2	<b>SIP Transfer of IMS Service Tariff Information; Protocol specification</b>	2	R	TS	3170	R2	183 058 283 039-	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.1.0 since 2008-04-30
2419 3	OCC Part 4: Adaptative Control for the MGC	3	D	ES	4-4	R2	4	philip.mart@ericsson.com	Published as V.2.1.1 since 2007-04-13
2624 2	<b>NASS: e2 interface based on the DIAMETER protocol</b>	2	R	ES	3116	R2	283 035	bruno.chatras@orange-ftgroup.com	Draft receipt by Secretariat as V.2.5.0 since 2008-04-30
2636 1	<b>NASS: User-Network Interface Protocol Definitions</b>	2	R	TS	3125	R2	183 019	bruno.chatras@orange-ftgroup.com	Published as V.2.3.0 since 2008-02-07
2730 5	<b>Customer Network Gateway Configuration Function; e3 Interface based upon CWMP</b>	2	D	TS	3138	R2	183 065	ENRICO1.GROSSO@TELECOMI TALIA.IT	Published as V.2.0.0 since 2008-02-26
2730 6	<b>NASS: e4 interface based on the DIAMETER protocol</b>	2	R	ES	3139	R2	283 034	bruno.chatras@orange-ftgroup.com	Draft receipt by Secretariat as V.2.2.0 since 2008-04-30
2523 6	<b>RAS: H.248 Profile for controlling Border Gateway Functions (BGF) Protocol specification</b>	2	R	ES	3098	R2	283 018	jerker.zetterlund@ericsson.com	Vote result determination (adopted) as V.2.3.0 since 2008-05-02
2554 9	<b>H.248 Profile for controlling Access and Residential Gateways</b>	2	R	ES	3103	R2	283 002	cwaitzmann@alcatel-lucent.de	Published as V.2.1.0 since 2008-03-14
2523 9	<b>Solution for REFER interworking problems</b>	2	D	TR	3101	R2	183 052	Martin.Huelsemann@telekom.de	Published as V.2.2.0 since 2008-01-16
2634 8	<b>Endorsement of the SIP-ISUP Interworking between the IMS and CS networks</b>	2	R	ES	3119	R2	283 027	r.jesske@telekom.de	Published as V.2.4.0 since 2008-04-11
2849 9	<b>[3GPP TS 29.163 (Release 7), modified]</b>	2	R	ES	3174	R2	283 027	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.5.0 since 2008-04-30
2352 1	<b>Endorsement of the SIP-ISUP Interworking between the IMS and CS networks</b>	2	R	ES	3174	R2	283 027	drage@alcatel-lucent.com	Draft receipt by Secretariat as V.2.5.0 since 2008-04-30
2291 6	<b>SDP Interworking between SIP/SDP and H.248/SDP</b>	2	D	TR	3062	R2	183 046	cwaitzmann@alcatel-lucent.de	Published as V.2.0.0 since 2008-01-30
2729 9	<b>H.248 Non-call related procedures and management system interaction</b>	2	D	TR	3051	R2	183 025	Wayne.Cutler@ericsson.com	Published as V.2.0.0 since 2007-07-20
2474 8	<b>H.248 Non-Call Related Procedures and Management System Interaction</b>	2	R	TR	3133	R2	183 025	Wayne.Cutler@ericsson.com	Draft receipt by Secretariat as V.2.2.0 since 2008-04-30
2581 5	<b>H.248 Profile for controlling Trunking Media Gateways (TMG)</b>	2	D	ES	3077	R2	283 049	Wayne.Cutler@ericsson.com	Published as V.2.0.2 since 2008-02-19
	<b>[Endorsement of 3GPP TS 29.332 (V7.7.0), modified]</b>	2	D	ES	3077	R2	283 049	celine.serrutvallette@orange-ftgroup.com	Draft receipt by Secretariat as V.2.0.0 since 2008-05-06
	<b>Feasibility study on Out-of-band DTMF transport</b>	2	D	TR	3112	R2	183 057	celine.serrutvallette@orange-ftgroup.com	Draft receipt by Secretariat as V.2.0.0 since 2008-05-06

- Commented [cs15]: WI short reference on 4 digits
- Commented [cs14]: TS/TR/ES/SR
- Commented [cs10]: WPM database identifier. Please do not change
- Commented [cs11]: Classification made by release and then by global/parent feature
- Commented [cs12]: Hierarchical level in Work Plan
- Commented [cs13]: Draft or Revised WI
- Commented [cs16]: Release or Project