

Source: ETSI
GTSC-1 Agenda item 7.2
For: Information

GSC-8 061

Broadband Access Standards
(GSC 7/4)
ETSI activity overview

GSCB

Introduction

- ETSI advantage of 15 years experience on
 - Standardisation work
 - In the European Telecom market
 - With increasing global participation
 - In [technical](#) and related areas, including regulatory aspects
- Access technologies activity in ETSI
 - Were from the very beginning of ETSI a focal point
 - Cover all present technologies
 - Have increasingly wide and deep expertise and activity
 - Interact intensively with other areas (in & out of ETSI)
- Members and tools
 - Most relevant market players from all sectors are represented
 - Advanced (e-)tools facilitate an increasing productivity
 - Time to market in Access technologies is of central importance
 - [To facilitate the launch of Next Generation Services & Networks](#)

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Wire-line BB Access activities

- NGN@Home
 - Recently launched to treat issues on Home Networks
 - To standardise the inter-work of all home technologies (incl. radio)
 - To facilitate common use of features in different systems
- xDSL
 - Covers the application of all DSL technologies in Europe
 - Covers coexistence with legacy systems and infrastructures
 - Focus on rational frequency management in the local loop
- Cable (Telecom over CATV infrastructures)
 - Covers the application of Cable technologies in Europe
 - Covers lower (Euro-DOCSIS) and higher layers (Euro-IP-Cablecom)
 - Considers the impact of convergence Telecom-Broadcast
- PLT/ PLC
 - Covers all aspects of Power Line in Europe
 - Takes special care on EMC issues
 - Supported by "white goods industry" aiming Home automation

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Home Networks, NGN @ Home

- General information
 - Working Group "[NGN@Home](#)" was recently launched
 - Wide scope [initial work plan](#) to identify available information
 - Most relevant activities for new technologies launch are described in
 - "[NGN@Home](#)" & "[Intelligent Home and Business](#)"
- New services and applications (incl. Broadband) @ Home
 - Technology independent solutions for Home Network elements to inter-operate among them and with Telecom Networks & Services
 - All technologies (wire & wireless, access & home) in the Home environment will benefit to coexist and be used at the best
- Co-operation
 - with CENELEC & other Organisations: exist & being intensified

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xDSL(1)

- General information
 - An [overview of the activities](#) is available on the web
 - Co-operation agreement with ITU-T (SG15)
 - Organisations like DSL Forum and many industry members with global dimension influence strongly ETSI developments
- Standards are [recommended by regulating authorities](#)
 - (OJEC): Official Journal of the European Communities (C 331/40; 31.12.2002)
- Spectral management (under study)
 - key guidance on TR 101 830 (OJEC) series of documents
- Compatibility with POTS and ISDN largely covered
 - Splitters specification [TS 101 952] (OJEC) & test [TS 101 953]
 - & other studies, e.g. [TR 102 139], [TR 101 728], [ES 202 913]

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xDSL(2)

- Euro-ADSL [Asymmetric Digital Subscriber Line]
 - Key standard TS 101 388 (OJEC)
 - Approx. 6 Mbit/s downstream / 800 kbit/s upstream
 - Revision started to increase bit-rates and enhance flexibility
- Euro-VDSL [Very high-speed Digital Subscriber Line]
 - Key standard TS 101 270 (parts 1 & 2) (OJEC)
 - Transceivers using single carrier or multi-carrier techniques
 - Revision include PSD (Power Spectral Density) revised masks, performance
- Euro-SDSL [Symmetrical single-pair high bit rate DSL]
 - Key standard TS 101 524 (OJEC)
 - Multi-rate symmetric Transmission up to 2.3 Mbit/s (single pair)
 - Work on expansion to provide 10 Mbit/s (multiple pairs)
 - Asymmetric data-rates optional

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xDSL(3)

- HDSL [High bit-rate DSL]
 - Key standard TS 101 135 (OJEC)
- ISDN Basic Rate Access enhancements
 - Key standard TS 102 080
 - Extended with ADSL- & VDSL friendly PSD masks for both European line codes (2B1Q & 4B3T)
 - Increases performance of ADSL & VDSL over ISDN
- [Euro-VoDSL](#) [simultaneous Voice and data over DSL]
 - Specification of low and high latency channels
 - Dynamic bit-rate repartitioning included
 - Specification available by end of 2003

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Cable (1)

- General information
 - An [overview of the activities](#) is available on the web
- Global co-operation
 - Agreement with ITU-T (SG16)
 - Agreement with SCTE - Society of Cable Telecommunications Engineers
 - Organisations like CableLabs, EuroPacketcable Forum, ECCA and many others with global dimension
 - Broadcast organisations are involved
- Most relevant areas of activity
 - Euro-DOCSIS versions
 - 1.0: on the market [ES 201 488] (ed. 1),
 - 1.1: standardised [ES 201 488], coming to the market
 - 2.0: main standards [ES 202 488] being adopted

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Cable (2)

- Most relevant areas of activity
 - Euro-IPCablecom
 - TS 101 909 series of standards is in progress and the following has been achieved for European market:
 - basic system characteristics adapted to European needs
 - European SS7 and V5 inter-operation
 - Interoperation with European POTS/PSTN
 - A number of reports studying related matters cover a wide range of problems being solved, including next steps, e.g.:
 - European Industry needs [TR 101 963]
 - Availability and Reliability [TR 101 971]
 - Tracking regional differences [TR 101 972]
 - Implementor's guide [DTR/ AT 020027]
 - IPCablecom interwork with other NGNs [TR102 909]
 - Testing architecture [TR 102 136]

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Power Line Telecom [PLT 1]

- General information
 - An [overview of the activities](#) is available on the web
- Co-operation
 - With PLC Forum and other organisations
 - Strong collaboration with [ERM and CENELEC](#), particularly in the area of EMC
- PLT Reference Network Architecture
 - Key document [TS 101 896] Model
 - In-house Architecture & Protocols DTS/PLT00007

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Power Line Telecom [PLT 2]

- Coexistence of Access and In-House PLT Systems
 - Key document [TS 101 867]
 - [dynamical freq. allocation for Access/In-House coexistence](#)
- PLT QoS [Quality of Service] requirements for in-house systems
 - Key document [TR 102 049]
- Other items under study
 - [Programmable PSD](#) [Power Spectral Density] [mask](#)
 - [PLT Hidden Node Analysis](#)
 - [PLT LCL](#) [Longitudinal Conversion Loss] [review and analysis](#)
 - [Estimating EMI](#) [Electro-Magnetic Interference] [due to unbalance in PLT](#)
 - Channel characterization & measurement methods [TS 102 175]

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Common aspects

- Backwards compatibility with legacy systems
 - Make use of legacy terminals features [TR 101 973 series]
 - Maximise the usage of harmonised or converging solutions, e.g. interface offered for POTS [ES 201 970] (OJEC)
- Future oriented convergence with NGNs' evolution
 - Improve inter-working among base technologies
 - Facilitate differentiation & universality of services & contents
- Consider horizontal aspects
 - [Regulatory](#) framework on [services & networks](#), [terminals](#), etc
 - Interoperability among different solutions
 - High [QoS](#) [Quality of Service], e.g. for Voice [EG 201 050]
 - Support to [emergency situations](#)
 - [Security](#)/ Data protection, [Lawful Interception](#)
 - [EMC](#), [safety](#)

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Globalization aspects

- Terminals and user facilities
 - ETSI Terminal standards facilitate the global market (WTO)
 - many non-European countries are applying ETSI standards
 - There are many Home & Access solutions on the global market,
 - They should coexist/ inter-work to stimulate the market growth
 - The multiple interfaces among Home & Access technologies
 - Need to standardise inter-operation among most relevant players
- Access Technologies
 - Euro-xDSL: Active collaboration with ITU-T and with DSL Forum;
 - A successful "plug-test" rose global awareness for ETSI work
 - Euro-DOCSIS/-IP-Cablecom: global experts are co-operating in ETSI
 - Enhanced collaboration among institutions under study
 - Power Line
 - Active collaboration with PLC Forum and other global organisations
 - Fibre/ optical
 - ETSI members are following ITU-T

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Successes, difficulties & the future

- Successes
 - Heritage on European Telecom standardisation & harmonisation
 - Recognised know-how on existing products
 - Attract experts for implementations of new technologies
 - Industry chose ETSI to work on European Telecom standards
 - Including convergence areas
- Difficulties
 - Market financing difficulties reduce the level of voluntary contributions, which are the main source of ETSI work
- Future
 - A stronger global co-operation will overcome difficulties

– Note: ETSI deliverables can be downloaded free of charge from
 ▶ <http://webpage.etsi.org/WorkProgram/ExpertDutyForm.asp>

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- PLT Reference Network Architecture–Key document [TS 101 896] Model
- In-house Architecture & Protocols DTS/PLT00007
- PLT QoS [Quality of Service] requirements for in-house systems
- Key document [TR 102 049]

2003-06-20

Work Programme




Version 2.1





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All Active Work Items with 'Home' in Title

[View As Work Item Plan](#) | [View As Work Item Progress Report](#)


Found 67 Items...
Displaying items 1 to 67 ...

	IDENTIFICATION	TITLE (Formal & Working)	STATUS
1	Doc. Nb. TS 122 121 Ver. 3.1.0 Ref. DTS/TSGS-0122121U Technical Body: 3GPP SA 1 Details and Download	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Service aspects; The Virtual Home Environment (3G TS 22.121 version 3.1.0 Release 1999)	Published Current Publication Status:  (2000-02-01)
2	Doc. Nb. TS 122 121 Ver. 3.2.0 Ref. RTS/TSGS-0122121UR1 Technical Body: 3GPP SA 1 Details and Download	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Service aspects; The Virtual Home Environment (3G TS 22.121 version 3.2.0 Release 1999)	Published Current Publication Status:  (2000-05-17)
3	Doc. Nb. TS 122 121 Ver. 3.3.0 Ref. RTS/TSGS-0122121UR2 Technical Body: 3GPP SA 1 Details and Download	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Service aspects; The Virtual Home Environment (3G TS 22.121 version 3.3.0 Release 1999)	Published Current Publication Status:  (2000-08-22)




		Environment (3G TS 22.121 version 3.3.0 Release 1999)	
4 FINALIZED	Doc. Nb. TS 122 121 Ver. 4.1.0 Ref. RTS/TSGS-0122121Uv4 Technical Body: 3GPP SA 1 Details and Download	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Service aspects; The Virtual Home Environment; Stage 1 (3GPP TS 22.121 version 4.1.0 Release 4)	Published Current Publication Status:  (2001-04-25)
5 FINALIZED	Doc. Nb. TS 122 121 Ver. 5.3.0 Ref. RTS/TSGS-0122121Uv5 Technical Body: 3GPP SA 1 Details and Download	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Service aspects; The Virtual Home Environment; Stage 1 (3GPP TS 22.121 version 5.3.0 Release 5)	Published Current Publication Status:  (2002-04-10)
6 FINALIZED	Doc. Nb. TR 122 121 Ver. 3.3.1 Ref. RTR/TSGS-0122121v331 Technical Body: 3GPP SA 1 Details and Download	Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Service aspects; The Virtual Home Environment; Stage 1 (3GPP TR 22.121 version 3.3.1 Release 1999) Service aspects; The Virtual Home Environment; Stage 1	Published Current Publication Status:  (2002-07-30)
7 FINALIZED	Doc. Nb. TR 122 121 Ver. 4.1.1 Ref. RTR/TSGS-0122121v411 Technical Body: 3GPP SA 1 Details and Download	Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Service aspects; The Virtual Home Environment; Stage 1	Published Current Publication Status:  (2002-07-30)











		(3GPP TR 22.121 version 4.1.1 Release 4) Service aspects; The Virtual Home Environment; Stage 1	
8 	Doc. Nb. TR 122 121 Ver. 5.3.1 Ref. RTR/TSGS-0122121v531 Technical Body: 3GPP SA 1 Details and Download	Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Service aspects; The Virtual Home Environment; Stage 1 (3GPP TR 22.121 version 5.3.1 Release 5) Service aspects; The Virtual Home Environment; Stage 1	Published Current Publication Status:  (2002-07-30)
9	Doc. Nb. TR 122 970 Ver. 3.0.1 Ref. DTR/TSGS-0122970U Technical Body: 3GPP SA 1 Details and Download	Universal Mobile Telecommunications System (UMTS); Service aspects; Virtual Home Environment (VHE) (3G TR 22.970 version 3.0.1 Release 1999)	Published Current Publication Status:  (2000-02-01)
10	Doc. Nb. TS 123 127 Ver. 3.0.0 Ref. DTS/TSGS-0223127U Technical Body: 3GPP SA 2 Details and Download	Universal Mobile Telecommunications System (UMTS); Technical Specification Group Services and System Aspects; Virtual Home Environment / Open Service Architecture (3G TS 23.127 version 3.0.0 Release 1999)	Published Current Publication Status:  (2000-05-17)
11	Doc. Nb. TS 123 127 Ver. 3.1.0 Ref. RTS/TSGS-0223127UR1 Technical Body: 3GPP SA 2 Details and Download	Universal Mobile Telecommunications System (UMTS); Virtual Home Environment / Open Service Architecture (3G TS 23.127 version 3.1.0 Release 1999)	Published Current Publication Status:  (2000-08-22)
12 	Doc. Nb. TS 123 127 Ver. 3.2.0 Ref. RTS/TSGS-0223127UR2 Technical Body: 3GPP SA 2 Details and Download	Universal Mobile Telecommunications System (UMTS); Virtual Home	Published Current Publication Status:  (2000-11-07)


		Environment / Open Service Architecture (3GPP TS 23.127 version 3.2.0 Release 1999)	
13 FINALIZED	Doc. Nb. TS 123 127 Ver. 3.3.0 Ref. RTS/TSGS-0223127UR3 Technical Body: 3GPP SA 2 Details and Download	Universal Mobile Telecommunications System (UMTS); Virtual Home Environment / Open Service Architecture (3GPP TS 23.127 version 3.3.0 Release 1999)	Published Current Publication Status:  (2001-02-13)
14 FINALIZED	Doc. Nb. TS 123 127 Ver. 3.4.0 Ref. RTS/TSGS-0223127UR4 Technical Body: 3GPP SA 2 Details and Download	Universal Mobile Telecommunications System (UMTS); Virtual Home Environment / Open Service Architecture (3GPP TS 23.127 version 3.4.0 Release 1999)	Published Current Publication Status:  (2001-07-23)
15 FINALIZED	Doc. Nb. TS 123 127 Ver. 4.1.0 Ref. RTS/TSGS-0223127Uv4 Technical Body: 3GPP SA 2 Details and Download	Universal Mobile Telecommunications System (UMTS); Virtual Home Environment (3GPP TS 23.127 version 4.1.0 Release 4)	Published Current Publication Status:  (2001-04-19)
16 FINALIZED	Doc. Nb. TS 123 127 Ver. 4.2.0 Ref. RTS/TSGS-0223127Uv4R1 Technical Body: 3GPP SA 2 Details and Download	Universal Mobile Telecommunications System (UMTS); Virtual Home Environment / Open Service Architecture (3GPP TS 23.127 version 4.2.0 Release 4)	Published Current Publication Status:  (2001-07-23)
17 FINALIZED	Doc. Nb. TS 123 127 Ver. 4.3.0 Ref. RTS/TSGS-0223127Uv4R2 Technical Body: 3GPP SA 2 Details and Download	Universal Mobile Telecommunications System (UMTS); Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2 (3GPP TS 23.127 version 4.3.0 Release 4)	Published Current Publication Status:  (2002-04-18)
18 FINALIZED	Doc. Nb. TS 123 127 Ver. 5.1.0 Ref. RTS/TSGS-0223127Uv5 Technical Body: 3GPP SA 2 Details and Download	Universal Mobile Telecommunications System (UMTS); Virtual Home Environment (VHE) /	Published Current Publication Status:  (2002-04-23)

		Open Service Access (OSA); Stage 2 (3GPP TS 23.127 version 5 .1.0 Release 5)	
19 FINALIZED	Doc. Nb. TS 123 127 Ver. 5.2.0 Ref. RTS/TSGS-0223127v520 Technical Body: 3GPP SA 2 Details and Download	Universal Mobile Telecommunications System (UMTS); Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2 (3GPP TS 23.127 version 5.2.0 Release 5) Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	Published Current Publication Status:  (2002-06-19)
20 CHANGED	Doc. Nb. TS 102 220 Ver. 0.1.6 Ref. DTS/AT-000003 Technical Body: AT Details and Download	Access and Terminals (AT); Technical Specification: Delivery of Cable based services across a home access to the devices in the home Home networks supported by BB access	Drafting Current Wg Draft Available (2003-05-28) Next Start of pre-processing (2003-06-12) Stage Status: (2003-05-28) Status: (2003-06-12)
21	Doc. Nb. TR 102 160-7 Ver. 0.1.1 Ref. DTR/AT-000004 Technical Body: AT Details and Download	Access and Terminals (AT); Home Area Networks and the support of Next Generation Services; Part 7: QoS mechanisms and elements between devices in the home networking and the access networks end to end Home networks: Part 7 QoS	Drafting Current Start of work (2002-04-22) Next Start of TB approval process (2002-04-22) Stage Status: (2002-04-22) Status: (2002-04-22)
22	Doc. Nb. TR 102 160-1 Ver. 0.0.4 Ref. DTR/AT-040002-01 Technical Body: AT NGN@Home Details and Download	Access and Terminals (AT); Home Area Networks and the support of Next Generation Services; Part 1: General	Drafting Current WG Draft available (2002-12-17) Next New Draft - as Part 1 of Multipart (2003-06-10) Stage Status: (2002-12-17) Status: (2003-06-10)

		aspects Home networking : Part 1 General	
23	Doc. Nb. TR 102 160-2-1 Ver. 1.1.1 Ref. DTR/AT-040002-02-01 Technical Body: AT_NGN@Home Details and Download	Access and Terminals (AT); Home Area Networks and the support of Next Generation Services; Part 2: Support of legacy terminals by Broadband IP networks and equipment; Sub-Part 1: Analogue PSTN TE inter-working and compatibility studies Home networking: Part 2, sub Part 1 - Analogue PSTN	Drafting Stage Current Status: TB adoption of WI (2003-04-11) Next Status: Start of work (2003-04-11)
24	Doc. Nb. TR 102 160-2-2 Ver. 1.1.1 Ref. DTR/AT-040002-02-02 Technical Body: AT_NGN@Home Details and Download	Access and Terminals (AT); Home Area Networks and the support of Next Generation Services; Part 2: Support of legacy terminals by Broadband IP networks and equipment; Sub-Part 2: ISDN TE inter-working and compatibility studies Home networking : Part 2, sub part 2 - ISDN	Drafting Stage Current Status: TB adoption of WI (2003-04-11) Next Status: Start of work (2003-04-11)
25	Doc. Nb. TR 102 160-3 Ver. 1.1.1 Ref. DTR/AT-040002-03 Technical Body: AT_NGN@Home Details and Download	Access and Terminals (AT); Home Area Networks and the support of Next Generation Services; Part 3: Current and developing home networking technologies Home networking : Part 3 Current network technologies	Drafting Stage Current Status: TB adoption of WI (2003-04-11) Next Status: Start of work (2003-04-11)
26	Doc. Nb. TR 102 160-4 Ver. 1.1.1 Ref. DTR/AT-040002-04 Technical Body: AT_NGN@Home Details and Download	Access and Terminals (AT); Home Area Networks and the	Drafting Stage Current Status: TB adoption of WI (2003-04-11) Next Status:

		support of Next Generation Services; Part 4: Current and developing home access technologies Home networking : Part 4 Current access technologies	Start of work (2003-04-11)
27	Doc. Nb. TR 102 160-5 Ver. 1.1.1 Ref. DTR/AT-040002-05 Technical Body: AT_NGN@Home Details and Download	Access and Terminals (AT); Home Area Networks and the support of Next Generation Services; Part 5: Home networking and Applications Home networking : Part 5 -NGN services	Drafting Stage Current Status: Start of work (2003-04-11) Next Status: WG approval (2003-12-15)
28	Doc. Nb. TR 102 160-6 Ver. 1.1.1 Ref. DTR/AT-040002-06 Technical Body: AT_NGN@Home Details and Download	Access and Terminals (AT); Home Area Networks and the support of Next Generation Services; Part 6: Security and Copyright issues Home networking : Part 6 Security and Copyright	Drafting Stage Current Status: TB adoption of WI (2003-04-11) Next Status: Start of work (2003-07-30)
29	Doc. Nb. TS 101 761-4 Ver. 1.1.1 Ref. DTS/BRAN-0020004-4 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Data Link Control (DLC) Layer; Part 4: Extension for Home Environment	Published  Current Status: Publication (2000-06-23)
30	Doc. Nb. TS 101 761-4 Ver. 1.2.1 Ref. RTS/BRAN-0020004-4R1 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Data Link Control (DLC) Layer; Part 4: Extension for Home Environment	Published  Current Status: Publication (2000-12-04)
31	Doc. Nb. TS 101 761-4 Ver. 1.3.1 Ref. RTS/BRAN-0020004-4R2 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Data Link Control (DLC) Layer; Part 4: Extension for Home Environment	Published  Current Status: Publication (2001-07-24)









<p>32</p> 	<p>Doc. Nb. TS 101 761-4 Ver. 1.3.2 Ref. RTS/BRAN-0020004-4R3 Technical Body: BRAN Details and Download</p>	<p>Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Data Link Control (DLC) Layer; Part 4: Extension for Home Environment</p>	<p>Published  Current Status: Publication (2002-01-29)</p>
<p>33</p>	<p>Doc. Nb. TS 101 761-4 Ver. 1.4.1 Ref. RTS/BRAN-0020004-4R4 Technical Body: BRAN Details and Download</p>	<p>Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Data Link Control (DLC) Layer; Part 4: Extension for Home Environment</p>	<p>Drafting Stage Current Status: TB approval (2002-07-05) Next Status: Review (2003-06-26)</p>
<p>34</p> 	<p>Doc. Nb. TS 101 761-5 Ver. 1.1.1 Ref. DTS/BRAN-0020004-5 Technical Body: BRAN Details and Download</p>	<p>Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Data Link Control (DLC) Layer; Part 5: Profile for Home Environment</p>	<p>Published  Current Status: Publication (2001-07-24)</p>
<p>35</p> 	<p>Doc. Nb. TS 101 761-5 Ver. 1.2.1 Ref. RTS/BRAN-0020004-5R1 Technical Body: BRAN Details and Download</p>	<p>Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Data Link Control (DLC) Layer; Part 5: Profile for Home Environment</p>	<p>Published  Current Status: Publication (2001-12-20)</p>
<p>36</p> 	<p>Doc. Nb. TS 101 823-4-1 Ver. 1.1.1 Ref. DTS/BRAN-002T004-4-1 Technical Body: BRAN Details and Download</p>	<p>Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 4: Extension for Home Environment; Sub-part 1: Protocol Implementation Conformance Statement (PICS) proforma</p>	<p>Published  Current Status: Publication (2001-12-17)</p>
<p>37</p> 	<p>Doc. Nb. TS 101 823-4-2 Ver. 1.1.1 Ref. DTS/BRAN-002T004-4-2 Technical Body: BRAN Details and Download</p>	<p>Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 4: Extension for Home Environment</p>	<p>Published  Current Status: Publication (2001-12-17)</p>




		Sub-part 2: Test Suite Structure and Test Purposes (TSS&TP) specification	
38 FINALIZED	Doc. Nb. TS 101 823-4-3 Ver. 1.1.1 Ref. DTS/BRAN-002T004-4-3 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 4: Extension for Home Environment; Sub-part 3: Abstract Test Suite (ATS) specification	Published Current Publication Status:  (2001-12-17)
39	Doc. Nb. TS 101 823-4-1 Ver. 1.2.1 Ref. RTS/BRAN-002T0A4-4-1 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 4: Extension for Home Environment; Sub-part 1: Protocol Implementation Conformance Statement (PICS) proforma	Drafting Current Draft receipt by ETSI Secretariat (2003-04-17) Next Publication (2003-05-01) Status:
40	Doc. Nb. TS 101 823-4-2 Ver. 1.2.1 Ref. RTS/BRAN-002T0A4-4-2 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 4: Extension for Home Environment; Sub-part 2: Test Suite Structure and Test Purposes (TSS&TP) specification	Drafting Current Draft receipt by ETSI Secretariat (2003-04-17) Next Publication (2003-05-01) Status:
41	Doc. Nb. TS 101 823-4-3 Ver. 1.2.1 Ref. RTS/BRAN-002T0A4-4-3 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 4: Extension for Home Environment;	Drafting Current Draft receipt by ETSI Secretariat (2003-04-17) Next Publication (2003-05-01) Status:

		Sub-part 3: Abstract Test Suite (ATS) specification	
42	Doc. Nb. TS 101 823-5-1 Ver. 1.2.1 Ref. RTS/BRAN-002T0A4-5-1 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 5: Profile for Home Environment; Sub-part 1: Profile Requirement List proforma specification	Drafting Stage Current Status: Draft receipt by ETSI Secretariat (2003-04-17) Next Status: Publication (2003-05-01)
43	Doc. Nb. TS 101 823-5-2 Ver. 1.2.1 Ref. RTS/BRAN-002T0A4-5-2 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 5: Profile for Home Environment; Sub-part 2: Profile Test Specification (PTS) - Summary	Drafting Stage Current Status: Draft receipt by ETSI Secretariat (2003-04-17) Next Status: Publication (2003-05-01)
44	Doc. Nb. TS 101 823-5-3 Ver. 1.2.1 Ref. RTS/BRAN-002T0A4-5-3 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 5: Profile for Home Environment; Sub-part 3: Profile Test Specification (PTS) - Profile Specific Test Specification (PSTS)	Drafting Stage Current Status: Draft receipt by ETSI Secretariat (2003-04-17) Next Status: Publication (2003-05-01)
45	Doc. Nb. TS 101 823-4-1 Ref. RTS/BRAN-002T0B4-4-1 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 4: Extension for Home Environment; Sub-part 1: Protocol Implementation Conformance	Drafting Stage Current Status: TB adoption of WI (2002-10-04) Next Status: Start of work (2003-07-31)

		Statement (PICS) proforma	
46	Doc. Nb. TS 101 823-4-2 Ref. RTS/BRAN-002T0B4-4-2 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 4: Extension for Home Environment; Sub-part 2: Test Suite Structure and Test Purposes (TSS&TP) specification	Drafting Stage Current Status: TB adoption of WI (2002-10-04) Next Status: Start of work (2003-07-31)
47	Doc. Nb. TS 101 823-4-3 Ref. RTS/BRAN-002T0B4-4-3 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 4: Extension for Home Environment; Sub-part 3: Abstract Test Suite (ATS) specification	Drafting Stage Current Status: TB adoption of WI (2002-10-04) Next Status: Start of work (2003-07-31)
48	Doc. Nb. TS 101 823-5-1 Ref. RTS/BRAN-002T0B4-5-1 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 5: Profile for Home Environment; Sub-part 1: Profile Requirement List proforma specification	Drafting Stage Current Status: TB adoption of WI (2002-10-04) Next Status: Start of work (2003-07-31)
49	Doc. Nb. TS 101 823-5-2 Ref. RTS/BRAN-002T0B4-5-2 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 5: Profile for Home Environment; Sub-part 2: Profile Test Specification (PTS) - Summary	Drafting Stage Current Status: TB adoption of WI (2002-10-04) Next Status: Start of work (2003-07-31)

50	Doc. Nb. TS 101 823-5-3 Ref. RTS/BRAN-002T0B4-5-3 Technical Body: BRAN Details and Download	Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 5: Profile for Home Environment; Sub-part 3: Profile Test Specification (PTS) - Profile Specific Test Specification (PSTS)	Drafting Current Next TB adoption of WI (2002-10-04) Start of work (2003-07-31) Stage Status: Next Status:
51 FINALIZED	Doc. Nb. TS 101 812 Ver. 1.1.1 Ref. DTS/JTC-DVB-112 Technical Body: BROADCAST Details and Download	Digital Video Broadcasting (DVB); Multimedia Home Platform (MHP) Specification 1.0	Withdrawn Current Withdrawn Status: (2002-06-25)
52 FINALIZED	Doc. Nb. TS 101 812 Ver. 1.1.2 Ref. RTS/JTC-DVB-113 Technical Body: BROADCAST Details and Download	Digital Video Broadcasting (DVB); Multimedia Home Platform (MHP) Specification 1.0.1	Withdrawn Current Withdrawn Status: (2002-06-25)
53 FINALIZED	Doc. Nb. TS 102 812 Ver. 1.1.1 Ref. DTS/JTC-DVB-115 Technical Body: BROADCAST Details and Download	Digital Video Broadcasting (DVB); Multimedia Home Platform (MHP) Specification 1.1	Published Current Publication Status: (2001-11-22)
54 FINALIZED	Doc. Nb. TS 101 812 Ver. 1.2.1 Ref. RTS/JTC-DVB-130 Technical Body: BROADCAST Details and Download	Digital Video Broadcasting (DVB); Multimedia Home Platform (MHP) Specification 1.0.2	Published Current Publication Status: (2002-06-25)
55 FINALIZED	Doc. Nb. TS 102 813 Ver. 1.1.1 Ref. DTS/JTC-DVB-139 Technical Body: BROADCAST Details and Download	Digital Video Broadcasting (DVB); IEEE 1394 Home Network Segment DVB IEEE 1394 Home Network Segment	Published Current Publication Status: (2002-11-05)
56 FINALIZED	Doc. Nb. TS 102 814 Ver. 1.1.1 Ref. DTS/JTC-DVB-140 Technical Body: BROADCAST Details and Download	Digital Video Broadcasting (DVB); Ethernet Home Network Segment DVB Ethernet Home Network Segment	Published Current Publication Status: (2002-11-05)
57	Doc. Nb. TS 102 814 Ver. 1.2.1	Digital Video	Published

	Ref. RTS/JTC-DVB-146 Technical Body: BROADCAST Details and Download	Broadcasting (DVB); Ethernet Home Network Segment DVB Ethernet Home Network Segment	Current Status: Publication (2003-04-07)
58 	Doc. Nb. TS 101 812 Ver. 1.3.1 Ref. RTS/JTC-DVB-147 Technical Body: BROADCAST Details and Download	Digital Video Broadcasting (DVB); Multimedia Home Platform (MHP) Specification 1.0.3 Multimedia Home Platform (MHP) Specification 1.0.3	Drafting Stage Current Status: Creation of WI by WG/TB (2003-05-14) Next Status: TB adoption of WI (2003-06-19)
59 	Doc. Nb. ES 201 812 Ver. 1.1.1 Ref. DES/JTC-DVB-148 Technical Body: BROADCAST Details and Download	Digital Video Broadcasting (DVB); Multimedia Home Platform (MHP) Specification 1.0.3 Multimedia Home Platform (MHP) Specification 1.0.3	Drafting Stage Current Status: Creation of WI by WG/TB (2003-05-14) Next Status: TB adoption of WI (2003-06-19)
60 	Doc. Nb. TS 102 812 Ver. 1.2.1 Ref. RTS/JTC-DVB-149 Technical Body: BROADCAST Details and Download	Digital Video Broadcasting (DVB); Multimedia Home Platform (MHP) Specification 1.1.1 Multimedia Home Platform (MHP) Specification 1.1.1	Drafting Stage Current Status: Creation of WI by WG/TB (2003-05-14) Next Status: TB adoption of WI (2003-06-19)
61 	Doc. Nb. ES 202 812 Ver. 1.1.1 Ref. DES/JTC-DVB-150 Technical Body: BROADCAST Details and Download	Digital Video Broadcasting (DVB); Multimedia Home Platform (MHP) Specification 1.1.1 Multimedia Home Platform (MHP) Specification 1.1.1	Drafting Stage Current Status: Creation of WI by WG/TB (2003-05-14) Next Status: TB adoption of WI (2003-06-19)
62	Doc. Nb. TS 101 224 Ver. 1.1.1 Ref. DTS/JTC-DVB-84 Technical Body: BROADCAST Details and Download	Digital Video Broadcasting (DVB); Home Access Network (HAN) with an active Network Termination (NT)	Published  Current Status: Publication (1998-07-27)
63 	Doc. Nb. TS 101 225 Ver. 1.1.1 Ref. DTS/JTC-DVB-85 Technical Body: BROADCAST Details and Download	Digital Video Broadcasting (DVB); Home Local Network Specification based on IEEE 1394	Published  Current Status: Publication (2001-05-04)





64	Deliverable Type: TR Ref. DTR/HF-00049 Technical Body: HF Details and Download	Human Factors (HF); Telecare delivery to Intelligent Homes Telecare in Intelligent Homes	Drafting Stage Current Status: TB adoption of WI (2002-02-15) Next Status: Start of work (2004-01-02)
65	Doc. Nb. GTS 11.31 Ver. 3.2.1 Ref. DGTS/SMG-001131 Technical Body: SMG Details and Download	European digital cellular telecommunications system (Phase 1); Home Location Register Specification (GSM 11.31)	Published  Current Status: Publication (1995-01-01)
66	Doc. Nb. EG 201 717 Ver. 1.4.2 Ref. DEG/SPAN-061305 Technical Body: SPAN 06 5 (UMTS) Details and Download	Universal Mobile Telecommunications System (UMTS); Virtual Home Environment (VHE) in the Integrated Services Digital Network (ISDN); Evolved UMTS core network	Published  Current Status: Publication (1999-11-24)
67	Doc. Nb. EG 201 717 Ver. 1.4.3 Ref. REG/SPAN-061311 Technical Body: SPAN 06 5 (UMTS) Details and Download	Universal Mobile Telecommunications System (UMTS); Virtual Home Environment (VHE) in the Integrated Services Digital Network (ISDN); Evolved UMTS core network	Published  Current Status: Publication (2000-01-26)

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- PLT Reference Network Architecture–Key document [TS 101 896] Model
 –In-house Architecture & Protocols DTS/PLT00007
- PLT QoS [Quality of Service] requirements for in-house systems
 –Key document [TR 102 049]

AT NGN@Home



Home networking : Part 1 General

Doc. Nb.	TR102	160-1		0.0.1	Working draft (2002-10-23)
Ref. DTR/AT-040002-01				0.0.4	Working draft (2002-12-17)
				0.0.5	Working draft (2003-06-19)
				0.0.6	Working draft (2003-06-19)

Home networking: Part 2, sub Part 1 - Analogue PSTN

Doc. Nb.	TR102	160-2-1		0.0.1	Working draft (2003-06-26)
Ref. DTR/AT-040002-02-01				0.0.2	Working draft (2003-06-26)

Home networking : Part 2, sub part 2 - ISDN

Doc. Nb.	TR102	160-2-2		0.0.3	Working draft (2003-06-26)
Ref. DTR/AT-040002-02-02				0.0.4	Working draft (2003-06-26)

Home networking : Part 3 Current network technologies

Doc. Nb.	TR102	160-3		0.0.4	Working draft (2003-06-26)
Ref. DTR/AT-040002-03				0.0.5	Working draft (2003-06-26)

Home networking : Part 4 Current access technologies

Doc. Nb.	TR102	160-4	<input type="checkbox"/>	<input type="checkbox"/>	0.0.1	Working draft (2003-06-26)
Ref. DTR/AT-040002-04						

Home networking : Part 5 -Home Networking and Applications

Doc. Nb.	TR102	160-5	<input type="checkbox"/>	<input type="checkbox"/>	0.0.4	Working draft (2003-06-26)
Ref. DTR/AT-040002-05						

Home networking : Part 6 Security and Copyright

Doc. Nb.	TR102	160-6	<input type="checkbox"/>	<input type="checkbox"/>	0.0.1	Working draft (2003-06-26)
Ref. DTR/AT-040002-06						

Home networks: Part 7 QoS

Doc. Nb.	TR102	160-7	<input type="checkbox"/>	<input type="checkbox"/>	0.1.1	Start of work (2002-04-22)
Ref. DTR/AT-040002-07						

Support of legacy terminals by Broadband: General part

Doc. Nb.	EG201	973-1	<input type="checkbox"/>	<input type="checkbox"/>	0.0.0	Working draft (2003-04-16)
Ref. DEG/AT-040005-01			<input type="checkbox"/>		1.1.2	Working draft (2003-04-16)

Support of legacy terminals by Broadband: Legacy analogue part

Doc. Nb.	EG201	973-2	<input type="checkbox"/>	<input type="checkbox"/>	1.1.2	Working draft (2003-04-16)
Ref. DEG/AT-040005-02						

Support of legacy terminals by Broadband: Legacy ISDN part

Doc. Nb.	EG201	973-3	<input type="checkbox"/>	<input type="checkbox"/>	1.1.2	Working draft (2003-04-16)
Ref. DEG/AT-040005-03						

Study on Emergency Telecommunications aspects related to non-mobile networks

Doc. Nb.	TR		<input type="checkbox"/>	<input type="checkbox"/>	1.1.1	Working draft (2003-05-13)
Ref. DTR/AT-040006						