

**Technical Specification Group Core Network**  
**Technical Specification Group Radio Access Network**  
**Technical Specification Group Terminals**  
**Technical Specification Group Services and System Aspects**  
**Meeting #13, Beijing, 18 - 27 September 2001**

*Tdoc NP-010485*  
*Tdoc RP-010572*  
*Tdoc TP-010177*  
*Tdoc SP-010424*

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**Title:** **Spec numbers and titles**

**Document for:** **CN: information**  
**RAN: information**  
**T: information**  
**SA: information**

**Agenda Item:** **CN: 11**  
**RAN: 12**  
**T: 6**  
**SA: 8.9**

The table below shows all known specifications pertaining to GSM / UMTS, past and present. They are ordered by a nominal index which disregards mapping of, say, the 02.-series to 22.-series for UMTS, and to 42.-series for GSM Release 4 onwards.

The "progenitor" column seeks to provide a clue to the origins of specs of the UMTS and of the GSM Release-4 series, but should be taken as a guide only. (The progenitor column entry is automatically calculated from the spec number, and does not guarantee that the supposed progenitor actually exists or ever did so!)

In the table, a "Y" indicates that the specification in question exists for the Release indicated. A "w" indicates that the Release version did at one time exist, or was anticipated, but that it has been withdrawn.

index	Number	pro-generator	Title	Ph 1	Ph 2	R9 6	R9 7	R9 8	R9 9	Rel -4	Rel -5	stopped
00.02	00.02		Voice group call service study (UIC project)	w								Yes
01.00	01.00		Working Procedures for SMG			Y		Y	Y			No
01.00	21.100	01.00	3G specification handling procedures						w			Yes
01.00	21.900		Technical Specification Group working methods					Y	Y			No
01.01	01.01		GSM Release 1999 Specifications					Y				No
01.01	21.101	01.01	3rd Generation mobile system Release 1999 Specifications					Y				No
01.01	21.801		3GPP drafting rules							Y		No
01.01	41.001	01.01	GSM Specification set							w		Yes
01.02	01.02		General Description of a GSM Public Land Mobile Network (PLMN)		Y	Y	Y					No
01.02	21.102	01.02	3rd Generation mobile system Release 4 specifications							Y		No
01.02	41.102	01.02	GSM Release 4 specifications							Y		No
01.03	21.103		3rd Generation mobile system Release 5 specifications								Y	No
01.03	41.103		GSM Release 5 specifications								Y	No
01.04	01.04		Abbreviations and Acronyms	Y	Y	Y	Y	Y	Y			No
01.04	21.904		UE Capability Requirements (UCR)						Y			No
01.05	01.05		Definitions		w							Yes
01.05	21.905		Vocabulary for 3GPP Specifications					Y	Y	Y		No
01.06	01.06		Service implementation phases and possible further phases in the GSM PLMN		w							Yes
01.06	21.906		reserved						w			Yes
01.07	01.07		Updating procedure for GSM Recommendations		w							Yes
01.10	21.010		reserved						w			Yes
01.10	21.810		Report on multi-mode UE issues; ongoing work and identified additional work					Y				No
01.10	21.910		Multi-mode UE issues; categories, principles and procedures					Y				No
01.11	21.111		USIM and IC card requirements					Y	Y			No
01.31	01.31		Fraud Information Gathering System (FIGS); Service requirements; Stage 0			w		Y	Y			No
01.31	41.031	01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0							Y		No
01.33	01.33		Lawful Interception requirements for GSM					Y	Y			No
01.33	21.133	01.33	Security threats and requirements						Y	Y		No
01.33	41.033	01.33	Lawful Interception requirements for GSM							Y		No
01.48	01.48		ISDN-based DECT/GSM interworking; Feasibility study			Y	Y					No
01.50	01.50		Radio Local Loop (RLL) using GSM			w						Yes
01.51	01.51		Dual mode of operation and roaming			w						Yes
01.56	01.56		GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements					Y	w			No
01.60	01.60		GPRS requirements				Y					No
01.61	01.61		General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements			w	Y	Y	Y			No
01.61	41.061	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements							Y		No
01.78	01.78		Customized Applications for Mobile networks using Enhanced Logic (CAMEL); Stage 0			w						Yes
01.78	21.978		Feasibility Technical Report – CAMEL Control of VoIP Services						Y			No
02.00	22.100		UMTS Phase 1						Y			No
02.01	02.01		Principles of Telecommunication Services Supported by a GSM Public Land Mobile Network(PLMN)	Y	Y	Y	Y	Y	w			No
02.01	22.001	02.01	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)						Y	Y		No
02.01	22.101	02.01	Service aspects; Service principles						Y	Y	Y	No
02.02	02.02		Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	Y	Y	Y	Y	Y	w			No
02.02	22.002	02.02	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)						Y	Y		No
02.03	02.03		Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	Y	Y	Y	Y	Y	w			No
02.03	22.003	02.03	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)						Y	Y		No
02.04	02.04		General on Supplementary Services	Y	Y	Y	Y	Y	w			No

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02.04	<b>22.004</b>	02.04	General on Supplementary Services						Y	Y		No
02.05	<b>02.05</b>		Simultaneous and Alternate Use of Services	w								Yes
02.05	<b>22.105</b>	02.05	Services & service capabilities						Y	Y		No
02.06	<b>02.06</b>		Types of Mobile Stations (MS)	Y	Y	Y	Y	Y				No
02.07	<b>02.07</b>		Mobile Station (MS) Features	Y	Y	Y	Y	Y	w			No
02.07	<b>22.907</b>		Terminal concepts						w			Yes
02.08	<b>02.08</b>		Quality of service / GSM system performance	Y	w							Yes
02.09	<b>02.09</b>		Security Aspects	Y	Y	Y	Y	Y	Y			No
02.09	<b>42.009</b>	02.09	Security Aspects							Y		No
02.10	<b>02.10</b>		Provision of Telecommunication Services	w								Yes
02.11	<b>02.11</b>		Service Accessibility	Y	Y	Y	Y	Y				No
02.11	<b>22.011</b>	02.11	Service accessibility						Y	Y		No
02.12	<b>02.12</b>		Licensing	w								Yes
02.12	<b>22.112</b>	02.12	USIM toolkit interpreter; Stage 1							Y		No
02.13	<b>02.13</b>		Subscription to the Services of a GSM PLMN	w								Yes
02.14	<b>02.14</b>		Service Directory	w								Yes
02.15	<b>02.15</b>		Circulation of mobile stations	w								Yes
02.15	<b>22.115</b>	02.15	Service Aspects Charging and billing						Y	Y	Y	No
02.16	<b>02.16</b>		International Mobile Station Equipment Identities (IMEI)	Y	Y	Y	Y	Y				No
02.16	<b>22.016</b>	02.16	International Mobile Equipment Identities (IMEI)						Y	Y		No
02.17	<b>02.17</b>		Subscriber Identity Modules, Functional Characteristics	Y	Y	Y	Y	Y	Y			No
02.17	<b>42.017</b>	02.17	Subscriber Identity Modules, Functional Characteristics							Y		No
02.18	<b>02.18</b>		Interworking with non-GSM applications on the SIM to be accessed via the GSM network			w						Yes
02.19	<b>02.19</b>		Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1					Y	w			No
02.19	<b>42.019</b>	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1							Y	Y	No
02.20	<b>02.20</b>		Collection charges	Y								No
02.21	<b>02.21</b>		Transferred account procedure and billing information	w								Yes
02.21	<b>22.121</b>	02.21	Service aspects; The Virtual Home Environment; Stage 1						Y	Y	Y	No
02.22	<b>02.22</b>		Stage 1 for personalisation of GSM ME			Y	Y	Y				No
02.22	<b>22.022</b>	02.22	Personalisation of Mobile Equipment (ME); Mobile functionality specification						Y	Y		No
02.24	<b>02.24</b>		Description of Charge Advice Information (CAI)		Y	Y	Y	Y				No
02.24	<b>22.024</b>	02.24	Description of Charge Advice Information (CAI)						Y	Y		No
02.24	<b>22.924</b>		Charging and accounting mechanisms						w			Yes
02.25	<b>02.25</b>		GSM - DCS roaming: Requirements and Stage 1 descriptions			w						Yes
02.25	<b>22.925</b>		Quality of service and network performance						w			Yes
02.26	<b>02.26</b>		Operation of multi-band GSM/DCS 1800 network by a single operator			w						Yes
02.26	<b>22.226</b>		Global text telephony; Stage 1: Service description								Y	No
02.27	<b>02.27</b>		DECT access to GSM networks			w						Yes
02.27	<b>22.127</b>	02.27	Service Requirement for the Open Services Access (OSA); Stage 1							Y	Y	No
02.27	<b>22.227</b>		Service requirements for the Open Service Access (OSA)							w		Yes
02.28	<b>02.28</b>		UPT phase 1			w						Yes
02.28	<b>22.228</b>		IP multimedia subsystem; Stage 1								Y	No
02.28	<b>22.928</b>		IP-based multimedia services examples								Y	No
02.29	<b>02.29</b>		Inter operation with UPT phase 2			w						Yes
02.29	<b>22.129</b>	02.29	Handover Requirements between UMTS and GSM or other Radio Systems						Y	Y		No
02.30	<b>02.30</b>		Man-machine Interface (MMI) of the Mobile Station (MS)	Y	Y	Y	Y	Y				No
02.30	<b>22.030</b>	02.30	Man-Machine Interface (MMI) of the User Equipment (UE)						Y	Y		No
02.31	<b>02.31</b>		Fraud Information Gathering System (FIGS) Service description; Stage 1			w		Y	Y			No
02.31	<b>42.031</b>	02.31	Fraud Information Gathering System (FIGS) Service description; Stage 1							Y		No

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02.32	<b>02.32</b>		Immediate Service Termination (IST); Service description; Stage 1					Y	Y			No
02.32	<b>42.032</b>	02.32	Immediate Service Termination (IST); Service description; Stage 1							Y		No
02.33	<b>02.33</b>		Lawful Interception; Stage 1			w		Y	Y			No
02.33	<b>42.033</b>	02.33	Lawful Interception; Stage 1							Y		No
02.34	<b>02.34</b>		High Speed Circuit Switched Data (HSCSD); Stage 1			Y	Y	Y	w			No
02.34	<b>22.034</b>	02.34	High Speed Circuit Switched Data (HSCSD); Stage 1						Y	Y		No
02.35	<b>02.35</b>		Universal access to freephone numbers - stage 1			w						Yes
02.35	<b>22.135</b>	02.35	Multicall; Service description; Stage 1						Y	Y		No
02.36	<b>02.36</b>		Premium rate services - stage 1			w						Yes
02.37	<b>02.37</b>		ISDN based DECT/GSM Interworking			w						Yes
02.38	<b>02.38</b>		SIM application toolkit (SAT); Stage 1			w						Yes
02.38	<b>22.038</b>	02.38	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1						Y	Y	Y	No
02.40	<b>02.40</b>		Procedures for Call Progress Indications	Y	Y	Y	Y	Y	w			No
02.40	<b>22.140</b>	02.40	Service aspects; Stage 1; Multimedia Messaging Service						Y	Y		No
02.41	<b>02.41</b>		Operator Determined Barring		Y	Y	Y	Y				No
02.41	<b>22.041</b>	02.41	Operator Determined Call Barring						Y	Y		No
02.41	<b>22.141</b>	02.41	Support of Presence Capability (SOP); stage 1								Y	No
02.41	<b>22.941</b>		IP based multimedia framework specifications								Y	No
02.42	<b>02.42</b>		Network Identity and Timezone (NITZ); Service Description, Stage 1			Y	Y	Y	w			No
02.42	<b>22.042</b>	02.42	Network Identity and Time Zone (NITZ), stage 1						Y	Y		No
02.43	<b>02.43</b>		Support of Localised Service Area (SoLSA); Service description; Stage 1					Y	Y			No
02.43	<b>22.043</b>	02.43	Support of Localized Service Area (SoLSA); Service description; Stage 1						w	w		Yes
02.43	<b>42.043</b>	02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1							Y		No
02.45	<b>22.945</b>		Study of provision of fax service in GSM and UMTS						Y			No
02.46	<b>22.146</b>		Multimedia Broadcast/Multicast Service; Stage 1								Y	No
02.46	<b>22.946</b>		Broadcast and multicast services								Y	No
02.48	<b>02.48</b>		Security mechanisms for the SIM Application Toolkit; Stage 1				Y	Y	Y			No
02.48	<b>22.048</b>	02.48	Security mechanisms for the (Universal) Subscriber Interface Module (U)SIM Application Toolkit; Stage 1							Y		No
02.48	<b>42.048</b>	02.48	Security mechanisms for the SIM Application Toolkit; Stage 1							w		Yes
02.53	<b>02.53</b>		Tandem Free Operation (TFO); Service description; Stage 1			w		Y	Y			No
02.53	<b>22.053</b>	02.53	Tandem Free Operation (TFO); Service Description - Stage 1						w	Y		No
02.53	<b>42.053</b>	02.53	Tandem Free Operation (TFO); Service description; Stage 1							w		Yes
02.56	<b>02.56</b>		GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1					Y	Y			No
02.56	<b>42.056</b>	02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1							Y		No
02.57	<b>02.57</b>		Mobile Station Application Execution Environment (MExE) Service description Stage 1					Y	w			No
02.57	<b>22.057</b>	02.57	Mobile Execution Environment (MExE); Stage 1						Y	Y	Y	No
02.60	<b>02.60</b>		General Packet Radio Service Stage 1 Description			w	Y	Y	w			No
02.60	<b>22.060</b>	02.60	General Packet Radio Service (GPRS); Stage 1						Y	Y		No
02.60	<b>22.960</b>		Mobile multimedia services						w			Yes
02.63	<b>02.63</b>		Packet Data on Signalling channels Service (PDS); Stage 1			Y	Y	Y				No
02.66	<b>02.66</b>		Support of Mobile Number Portability (MNP); Service description; Stage 1			w		Y				No
02.66	<b>22.066</b>	02.66	Support of Mobile Number Portability (MNP); Stage 1						Y	Y		No
02.67	<b>02.67</b>		Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 1			Y	Y	Y				No
02.67	<b>22.067</b>	02.67	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1						Y	Y		No
02.68	<b>02.68</b>		Voice Group Call Service (VGCS); Stage 1			Y	Y	Y	Y			No

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02.68	<b>42.068</b>	02.68	Voice Group Call Service (VGCS); Stage 1							Y		No
02.69	<b>02.69</b>		Voice Broadcast Service (VBS); Stage 1			Y	Y	Y	Y			No
02.69	<b>42.069</b>	02.69	Voice Broadcast Service (VBS); Stage 1							Y		No
02.70	<b>22.970</b>		Virtual Home Environment Report						w			Yes
02.71	<b>02.71</b>		Location Services (LCS); Stage 1					Y				No
02.71	<b>22.071</b>	02.71	Location Services (LCS); Stage 1						Y	Y		No
02.71	<b>22.971</b>		Automatic establishment of roaming relationships						Y			No
02.72	<b>02.72</b>		Call Deflection Service description, Stage 1			w		Y				No
02.72	<b>22.072</b>	02.72	Call Deflection (CD); Stage 1						Y	Y		No
02.72	<b>22.972</b>		Circuit-switched multimedia						w			Yes
02.73	<b>02.73</b>		Malicious Call Identification (MCID) - stage 1			w						Yes
02.75	<b>22.975</b>		Advanced addressing						Y			No
02.76	<b>02.76</b>		Noise Suppression for the AMR						Y			No
02.76	<b>22.076</b>	02.76	Noise suppression for the AMR codec; Service description - Stage 1							Y		No
02.76	<b>22.976</b>		Study on PS domain services and capabilities							Y		No
02.77	<b>02.77</b>		Emergency call TS12 with additional data transfer			w						Yes
02.78	<b>02.78</b>		Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)			Y	Y	Y	w			No
02.78	<b>22.078</b>	02.78	CAMEL; Stage 1						Y	Y	Y	No
02.79	<b>02.79</b>		Support of Optimal Routeing (SOR); Service definition (Stage 1)			Y	Y	Y				No
02.79	<b>22.079</b>	02.79	Support of optimal routeing; Stage 1						Y	Y		No
02.81	<b>02.81</b>		Line Identification Supplementary Services; Stage 1		Y	Y	Y	Y				No
02.81	<b>22.081</b>	02.81	Line Identification supplementary services; Stage 1						Y	Y		No
02.82	<b>02.82</b>		Call Forwarding (CF) Supplementary Services; Stage 1	Y	Y	Y	Y	Y	w			No
02.82	<b>22.082</b>	02.82	Call Forwarding (CF) Supplementary Services; Stage 1						Y	Y		No
02.83	<b>02.83</b>		Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1		Y	Y	Y	Y				No
02.83	<b>22.083</b>	02.83	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1						Y	Y		No
02.84	<b>02.84</b>		MultiParty (MPTY) Supplementary Services; Stage 1		Y	Y	Y	Y				No
02.84	<b>22.084</b>	02.84	MultiParty (MPTY) supplementary service; Stage 1						Y	Y		No
02.85	<b>02.85</b>		Closed User Group (CUG) Supplementary Services; Stage 1		Y	Y	Y	Y				No
02.85	<b>22.085</b>	02.85	Closed User Group (CUG) supplementary services; Stage 1						Y	Y		No
02.86	<b>02.86</b>		Advice of Charge (AoC) Supplementary Services; Stage 1		Y	Y	Y	Y				No
02.86	<b>22.086</b>	02.86	Advice of Charge (AoC) supplementary services; Stage 1						Y	Y		No
02.87	<b>02.87</b>		User-to-User Signalling (UUS) Service Description; Stage 1			w		Y				No
02.87	<b>22.087</b>	02.87	User-to-user signalling (UUS); Stage 1						Y	Y		No
02.88	<b>02.88</b>		Call Barring (CB) Supplementary Services; Stage 1	Y	Y	Y	Y	Y				No
02.88	<b>22.088</b>	02.88	Call Barring (CB) supplementary services; Stage 1						Y	Y		No
02.90	<b>02.90</b>		Stage 1 Decision of Unstructured Supplementary Service Data (USSD)		Y	Y	Y	Y	w			No
02.90	<b>22.090</b>	02.90	Unstructured Supplementary Service Data (USSD); Stage 1						Y	Y		No
02.91	<b>02.91</b>		Explicit Call Transfer (ECT)			Y	Y	Y				No
02.91	<b>22.091</b>	02.91	Explicit Call Transfer (ECT) supplementary service; Stage 1						Y	Y		No
02.92	<b>02.92</b>		Call Forward Enhancements (CFE) - Stage 1 description			w						Yes
02.93	<b>02.93</b>		Completion of Calls to Busy Subscriber (CCBS) Service Description; Stage 1			w	Y	Y				No
02.93	<b>22.093</b>	02.93	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1						Y	Y		No
02.94	<b>02.94</b>		Follow Me Service description; Stage 1						Y			No
02.94	<b>22.094</b>	02.94	Follow Me service description - Stage 1						Y	Y		No
02.95	<b>02.95</b>		Support of Private Numbering Plan (SPNP); Service description; Stage 1			Y	Y	Y	Y			No

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02.96	<b>02.96</b>		Name Identification Supplementary Services; Stage 1			w	Y	Y				No
02.96	<b>22.096</b>	02.96	Name identification supplementary services; Stage 1						Y	Y		No
02.97	<b>02.97</b>		Multiple Subscriber Profile (MSP) Service description, Stage 1			w		Y				No
02.97	<b>22.097</b>	02.97	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1						Y	Y		No
02.98	<b>02.98</b>		New barring services; Stage 1			w						Yes
02.99	<b>02.99</b>		Direct Subscriber Access and Restriction (DSAR); Stage1			w						Yes
03.00	<b>43.900</b>		Support for voice optimization for the IMS in the GERAN								Y	No
03.01	<b>03.01</b>		Network Functions	Y	Y	Y	Y	Y	w			No
03.01	<b>23.101</b>	03.01	General UMTS Architecture						Y	Y		No
03.02	<b>03.02</b>		Network Architecture	Y	Y	Y	Y	Y				No
03.02	<b>23.002</b>	03.02	Network Architecture						Y	Y	Y	No
03.03	<b>03.03</b>		Numbering, Addressing and Identification	Y	Y	Y	Y	Y				No
03.03	<b>23.003</b>	03.03	Numbering, Addressing and Identification						Y	Y	Y	No
03.04	<b>03.04</b>		Signalling Requirements Relating to Routing of Calls to Mobile Subscribers	Y	Y	w	w					No
03.05	<b>03.05</b>		Technical performance objectives	Y	Y	Y	Y	Y	Y			No
03.05	<b>23.205</b>		Bearer-independent circuit-switched core network; Stage 2							Y		No
03.05	<b>43.005</b>	03.05	Technical performance objectives							Y		No
03.07	<b>03.07</b>		Restoration Procedures	Y	Y	Y	Y	Y				No
03.07	<b>23.007</b>	03.07	Restoration procedures						Y	Y		No
03.07	<b>23.107</b>	03.07	Quality of Service (QoS) concept and architecture						Y	Y	Y	No
03.07	<b>23.207</b>		End to end quality of service concept and architecture							w	Y	No
03.07	<b>23.907</b>		Quality of Service concept							Y		No
03.08	<b>03.08</b>		Organization of Subscriber Data	Y	Y	Y	Y	Y				No
03.08	<b>23.008</b>	03.08	Organisation of subscriber data						Y	Y		No
03.08	<b>23.108</b>	03.08	Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures)						Y	Y		No
03.08	<b>23.908</b>		Technical report on Pre-Paging						Y	Y		No
03.09	<b>03.09</b>		Handover Procedures	Y	Y	Y	Y	Y				No
03.09	<b>23.009</b>	03.09	Handover procedures						Y	Y		No
03.09	<b>23.909</b>		Technical report on the Gateway Location Register						Y	Y		No
03.10	<b>03.10</b>		GSM Public Land Mobile Network (PLMN) Connection Types	Y	Y	Y	Y	Y	Y			No
03.10	<b>23.010</b>	03.10	GSM Public Land Mobile Network (PLMN) Connection Types						w			Yes
03.10	<b>23.110</b>	03.10	UMTS Access Stratum Services and Functions						Y	Y		No
03.10	<b>23.910</b>		Circuit switched data bearer services						Y	Y		No
03.10	<b>43.010</b>	03.10	GSM Public Land Mobile Network (PLMN) Connection Types							Y		No
03.11	<b>03.11</b>		Technical Realization of Supplementary Services - General Aspects	Y	Y	Y	Y	Y				No
03.11	<b>23.011</b>	03.11	Technical realization of Supplementary Services						Y	Y		No
03.11	<b>23.911</b>		Technical report on Out-of-band transcoder control						Y	Y		No
03.12	<b>03.12</b>		Location Registration Procedures	Y	Y	Y	Y	Y				No
03.12	<b>23.012</b>	03.12	Location management procedures						Y	Y		No
03.12	<b>23.912</b>		Technical report on Super-Charger						Y	Y		No
03.13	<b>03.13</b>		Discontinuous Reception (DRX) in the GSM System	Y	Y	Y	Y	Y	Y			No
03.13	<b>23.913</b>		UMTS Turbo-Charger							Y		Yes
03.13	<b>43.013</b>	03.13	Discontinuous Reception (DRX) in the GSM System							Y		No
03.14	<b>03.14</b>		Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System	Y	Y	Y	Y	Y				No
03.14	<b>23.014</b>	03.14	Support of Dual Tone Multi Frequency (DTMF) signalling						Y	Y		No
03.14	<b>23.814</b>		Separating RR and MM specific parts of the MS Classmark						Y	w		No
03.15	<b>03.15</b>		Technical Realization of Operator Determined Barring		Y	Y	Y	Y				No

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03.15	23.015	03.15	Technical realisation of Operator Determined Barring (ODB)						Y	Y		No
03.15	23.915		Charging implications of IMS architecture								Y	No
03.16	03.16		Subscriber Data Management		Y	Y	Y	Y				No
03.16	23.016	03.16	Subscriber data management; Stage 2						Y	Y		No
03.16	23.116	03.16	Super-Charger technical realization; Stage 2						Y	Y		No
03.17	03.17		Technical realization of Exchange of Network Capabilities Information (ENCI); Stage 2			w						Yes
03.18	03.18		Basic Call Handling			Y	Y	Y				No
03.18	23.018	03.18	Basic Call Handling; Technical realization						Y	Y	Y	No
03.18	23.218		IP Multimedia (IM) session handling; IM call model								Y	No
03.19	03.19		GSM API for SIM toolkit stage 2					Y	Y			No
03.19	23.119	03.19	Gateway Location Register (GLR); Stage2						Y	Y		No
03.19	43.019	03.19	GSM Application Programming Interface (API) for Subscriber Interface Module (SIM) toolkit stage 2							Y	Y	No
03.20	03.20		Security-related Network Functions	Y	Y	Y	Y	Y	Y			No
03.20	23.920		Evolution of the GSM platform towards UMTS						w			Yes
03.20	43.020	03.20	Security-related Network Functions							Y		No
03.21	23.121		Architecture Requirements for release 99						Y		w	No
03.21	23.221		Architectural requirements							Y	Y	No
03.21	23.821		Architecture Principles for Release 2000							Y		No
03.22	03.22		Functions related to Mobile Station (MS) in idle mode and group receive mode		Y	Y	Y	Y	Y			No
03.22	23.022	03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode						w			Yes
03.22	23.122	03.22	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode						Y	Y		No
03.22	23.922		Architecture for an All IP network						w	w		Yes
03.22	43.022	03.22	Functions Related to Mobile Station (MS) in Idle Mode							Y		No
03.23	23.923		Combined GSM and Mobile IP mobility handling in UMTS IP CN						Y	w		No
03.25	23.925		UMTS Core network based ATM transport						Y	Y		No
03.26	03.26		Multiband operation of GSM/DCS 1800 by a single operator		Y	Y	Y	Y	Y			No
03.26	23.226		Global text telephony; Stage 2: Architecture								Y	No
03.26	43.026	03.26	Multiband operation of GSM/DCS 1800 by a single operator							Y		No
03.27	23.127		Virtual Home Environment; Stage 2						Y	Y		No
03.27	23.227		Application and user interaction in the UE; Principles and specific requirements							Y		No
03.27	23.927		VHE, Open Service Architecture						w			Yes
03.28	23.228		IP multimedia subsystem; Stage 2								Y	No
03.30	03.30		Radio Network Planning Aspects		Y	Y	Y	Y	Y			No
03.30	23.930		Iu Principles						Y	Y		No
03.30	43.030	03.30	Radio Network Planning Aspects							Y		No
03.31	03.31		Fraud Information Gathering System (FIGS); Service description; Stage 2					Y	Y			No
03.31	43.031	03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2							Y		No
03.32	03.32		Universal Geographical Area Description (GAD)			Y	Y	Y				No
03.32	23.032	03.32	Universal Geographical Area Description (GAD)						Y	Y		No
03.33	03.33		Lawful Interception; Stage 2					Y	Y			No
03.33	43.033	03.33	Lawful Interception; Stage 2							Y		No
03.34	03.34		High Speed Circuit Switched Data (HSCSD); Stage 2			Y	Y	Y				No
03.34	23.034	03.34	High Speed Circuit Switched Data (HSCSD); Stage 2						Y	Y		No
03.35	03.35		Immediate Service Termination (IST); Stage 2					Y	Y			No
03.35	23.135	03.35	Multicall supplementary service; Stage 2						Y	Y		No
03.35	43.035	03.35	Immediate Service Termination (IST); Stage 2							Y		No
03.36	03.36		Premium rate services - stage 2			w						Yes
03.36	23.236		Intra-domain connection of radio access network nodes to multiple core network nodes								Y	No
03.38	03.38		Alphabets and Language Specific Information for GSM		Y	Y	Y	Y				No
03.38	23.038	03.38	Alphabets & Language						Y	Y		No

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03.39	<b>03.39</b>		Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)		w	w	w	w				Yes
03.39	<b>23.039</b>	03.39	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)						Y	Y		No
03.40	<b>03.40</b>		Technical Realization of the Short Message Service (SMS) Point-to-point (PP)	Y	Y	Y	Y	Y				No
03.40	<b>23.040</b>	03.40	Technical realization of Short Message Service (SMS)						Y	Y	Y	No
03.40	<b>23.140</b>	03.40	Multimedia Messaging Service (MMS)						Y	Y		No
03.41	<b>03.41</b>		Technical Realization of Short Message Service Cell Broadcast (SMSCB)	Y	Y	Y	Y	Y				No
03.41	<b>23.041</b>	03.41	Technical realization of Cell Broadcast Service (CBS)						Y	Y		No
03.42	<b>03.42</b>		SMS Compression			Y	Y	Y				No
03.42	<b>23.042</b>	03.42	Compression algorithm for SMS						Y	Y		No
03.43	<b>03.43</b>		Support of Videotex	Y	Y	Y	Y	Y	w			No
03.43	<b>23.043</b>	03.43	Support of Videotex						w			Yes
03.44	<b>03.44</b>		Support of Teletex in a GSM Public Land Mobile Network (PLMN)	Y	Y	Y	Y	Y	w			No
03.44	<b>23.044</b>	03.44	Support of Teletex						w			Yes
03.45	<b>03.45</b>		Technical Realization of Facsimile Group 3 Service - transparent	Y	Y	Y	Y	Y	Y			No
03.45	<b>23.045</b>	03.45	Technical Realization of Facsimile Group 3 Service - transparent						w			Yes
03.45	<b>43.045</b>	03.45	Technical Realization of Facsimile Group 3 Service - transparent							Y		No
03.46	<b>03.46</b>		Technical Realization of Facsimile Group 3 Service - non transparent	Y	Y	Y	Y	Y	Y			No
03.46	<b>23.046</b>	03.46	Technical realisation of facsimile Group 3 service - non-transparent						w			Yes
03.46	<b>23.146</b>	03.46	Technical realisation of facsimile Group 3 service - non-transparent							Y		No
03.46	<b>43.046</b>	03.46	Technical Realization of Facsimile Group 3 Service - non transparent							Y		No
03.47	<b>03.47</b>		Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)		Y	Y	Y	Y	w			No
03.48	<b>03.48</b>		Security Mechanisms for SIM Toolkit Application; Stage 2	Y			Y	Y	Y			No
03.48	<b>23.048</b>	03.48	Security Mechanisms for SIM Toolkit Application; Stage 2							Y	Y	No
03.48	<b>43.048</b>	03.48	Security Mechanisms for SIM Toolkit Application; Stage 2							w		Yes
03.49	<b>03.49</b>		Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)		Y	Y	Y	Y	w			No
03.50	<b>03.50</b>		Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	Y	Y	Y	Y	Y	Y			No
03.50	<b>43.050</b>	03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System							Y	Y	No
03.51	<b>03.51</b>		GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2									Yes
03.51	<b>43.051</b>	03.51	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2							Y	Y	No
03.52	<b>03.52</b>		Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2					Y	Y			No
03.52	<b>43.052</b>	03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2							Y		No
03.53	<b>03.53</b>		Tandem Free Operation (TFO); Service description; Stage 2					Y	Y			No
03.53	<b>23.053</b>	03.53	Tandem Free Operation (TFO); Service description; Stage 2							Y		No
03.53	<b>23.153</b>	03.53	Out of Band Transcoder Control; Stage 2							Y		No
03.54	<b>03.54</b>		Description for the use of a Shared Inter Working Function (SIWF) in a GSM PLMN; Stage 2			Y	Y	Y				No
03.54	<b>23.054</b>	03.54	Shared Interworking Functions; Stage 2						Y			No
03.55	<b>03.55</b>		Dual Transfer Mode (DTM); Stage 2						Y			No
03.55	<b>23.955</b>		Virtual Home Environment (VHE) concepts								Y	No



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03.56	<b>03.56</b>		GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2					Y	w			No
03.57	<b>03.57</b>		Mobile Station Application Execution Environment (MExE); Functional description; Stage 2					Y				No
03.57	<b>23.057</b>	03.57	Mobile Execution Environment (MExE); Functional description; Stage 2						Y	Y		No
03.58	<b>03.58</b>		Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)				Y	Y	Y			No
03.58	<b>43.058</b>	03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)							Y		No
03.59	<b>03.59</b>		Location services (LCS) GERAN; Stage 2									No
03.59	<b>43.059</b>	03.59	Functional stage 2 description of Location Services in GERAN							Y	Y	No
03.60	<b>03.60</b>		General Packet Radio Service (GPRS) Service description; Stage 2				Y	Y				No
03.60	<b>23.060</b>	03.60	General Packet Radio Service (GPRS) Service description; Stage 2						Y	Y		No
03.60	<b>23.960</b>		Framework of network functions to support multimedia services						w			Yes
03.61	<b>03.61</b>		General Packet Radio Service (GPRS); Point To Multipoint Multicast Service Description; Stage 2				w					Yes
03.62	<b>03.62</b>		General Packet Radio Service (GPRS); Point-to-multipoint group call; Stage 2				w					Yes
03.63	<b>03.63</b>		Packet Data on Signalling channels service (PDS) Service description, Stage 2			Y	Y	Y	Y			No
03.63	<b>43.063</b>	03.63	Packet Data on Signalling channels service (PDS) Service description, Stage 2							Y		No
03.64	<b>03.64</b>		Overall description of the GPRS radio interface; Stage 2				Y	Y	Y			No
03.64	<b>43.064</b>	03.64	Overall description of the GPRS radio interface; Stage 2							Y		No
03.66	<b>03.66</b>		Support of GSM Mobile Number Portability (MNP); Stage 2					Y				No
03.66	<b>23.066</b>	03.66	Support of GSM Mobile Number Portability (MNP) stage 2						Y	Y		No
03.67	<b>03.67</b>		Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2			Y	Y	Y				No
03.67	<b>23.067</b>	03.67	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2						Y	Y		No
03.68	<b>03.68</b>		Voice Group Call Service (VGCS); Stage 2			Y	Y	Y	Y			No
03.68	<b>43.068</b>	03.68	Voice Group Call Service (VGCS); Stage 2							Y		No
03.69	<b>03.69</b>		Voice Broadcast service (VBS); Stage 2			Y	Y	Y	Y			No
03.69	<b>23.069</b>	03.69	Voice Broadcast service (VBS); Stage 2						w			Yes
03.69	<b>43.069</b>	03.69	Voice Broadcast service (VBS); Stage 2							Y		No
03.70	<b>03.70</b>		Routing of Calls to/from Public Data Networks (PDN)	Y	Y	Y	Y	Y				No
03.70	<b>23.070</b>	03.70	Routing of calls to/from Public Data Networks (PDN) and the GSM Public Land Mobile Network (PLMN)						w			Yes
03.71	<b>03.71</b>		Location Services (LCS); Functional description; Stage 2					Y	Y			No
03.71	<b>23.071</b>	03.71	Location services (LCS) stage 2						w			Yes
03.71	<b>23.171</b>	03.71	Functional stage 2 description of location services in UMTS						Y	w		No
03.71	<b>23.271</b>		Functional stage 2 description of location services							Y	Y	No
03.71	<b>43.071</b>	03.71	Location services (LCS); Stage 2							w		Yes
03.72	<b>03.72</b>		Call Deflection stage 2					Y				No
03.72	<b>23.072</b>	03.72	Call Deflection Supplementary Service; Stage 2						Y	Y		No
03.72	<b>23.972</b>		Circuit Switched Multimedia Telephony						Y	w		No
03.73	<b>03.73</b>		Support of Localised Service Area (SoLSA); Stage 2					Y				No
03.73	<b>23.073</b>	03.73	Support of Localised Service Area (SoLSA); Stage 2						Y	Y		No
03.73	<b>23.873</b>		Feasibility study fro transport and control separation in the PS CN domain							Y		No
03.74	<b>23.874</b>		Feasibility study of architecture for network requested PDP context activation with User-ID							Y		No
03.74	<b>23.974</b>		Support of push service								Y	No
03.78	<b>03.78</b>		CAMEL Phase 2; Stage 2			Y	Y	Y				No

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03.79	<b>03.79</b>		Support of Optimal Routeing phase 1; Stage 2			Y	Y	Y				No
03.79	<b>23.079</b>	03.79	Support of Optimal Routeing (SOR); Technical realization; Stage 2						Y	Y		No
03.81	<b>03.81</b>		Line Identification Supplementary Services; Stage 2		Y	Y	Y	Y				No
03.81	<b>23.081</b>	03.81	Line Identification supplementary services; Stage 2						Y	Y		No
03.82	<b>03.82</b>		Call Forwarding (CF) Supplementary Services; Stage 2	Y	Y	Y	Y	Y	w			No
03.82	<b>23.082</b>	03.82	Call Forwarding (CF) Supplementary Services; Stage 2						Y	Y		No
03.83	<b>03.83</b>		Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2		Y	Y	Y	Y				No
03.83	<b>23.083</b>	03.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2						Y	Y		No
03.84	<b>03.84</b>		Multi Party (MPTY) Supplementary Services; Stage 2		Y	Y	Y	Y				No
03.84	<b>23.084</b>	03.84	MultiParty (MPTY) Supplementary Service; Stage 2						Y	Y	Y	No
03.85	<b>03.85</b>		Closed user Group (CUG) Supplementary Services; Stage 2		Y	Y	Y	Y				No
03.85	<b>23.085</b>	03.85	Closed User Group (CUG) Supplementary Service; Stage 2						Y	Y		No
03.86	<b>03.86</b>		Advice of Charge (AoC) Supplementary Services; Stage 2		Y	Y	Y	Y				No
03.86	<b>23.086</b>	03.86	Advice of Charge (AoC) Supplementary Service; Stage 2						Y	Y		No
03.87	<b>03.87</b>		User-to-user signalling (UUS); Stage 2					Y				No
03.87	<b>23.087</b>	03.87	User-to-User Signalling (UUS) supplementary service; Stage 2						Y	Y		No
03.88	<b>03.88</b>		Call Barring (CB) supplementary services; Stage 2	Y	Y	Y	Y	Y				No
03.88	<b>23.088</b>	03.88	Call Barring (CB) Supplementary Service; Stage 2						Y	Y		No
03.90	<b>03.90</b>		Unstructured Supplementary Service Data (USSD)		Y	Y	Y	Y				No
03.90	<b>23.090</b>	03.90	Unstructured Supplementary Service Data (USSD); Stage 2						Y	Y		No
03.91	<b>03.91</b>		Explicit Call Transfer (ECT) Supplementary Service; Stage 2			Y	Y	Y				No
03.91	<b>23.091</b>	03.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 2						Y	Y		No
03.93	<b>03.93</b>		Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2				Y	Y				No
03.93	<b>23.093</b>	03.93	Call Completion to Busy Subscriber (CCBS); Stage 2						Y	Y		No
03.94	<b>03.94</b>		Follow Me Service description; Stage 2			w						Yes
03.94	<b>23.094</b>	03.94	Follow Me Stage 2						Y	Y		No
03.95	<b>03.95</b>		Support of Private Numbering Plan (SPNP); Stage 2			w						Yes
03.96	<b>03.96</b>		Name Identification Supplementary Services; Stage 2				Y	Y				No
03.96	<b>23.096</b>	03.96	Name Identification Supplementary Service; Stage 2						Y	Y		No
03.97	<b>03.97</b>		Multiple subscriber Profile (MSP); Stage 2					Y				No
03.97	<b>23.097</b>	03.97	Multiple Subscriber Profile (MSP); Stage 2						Y	Y		No
03.98	<b>03.98</b>		New barring services; Stage 2 description			w						Yes
03.99	<b>03.99</b>		Direct Subscriber Access and Restriction (DSAR); Stage 2			w						Yes
04.01	<b>04.01</b>		Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	Y	Y	Y	Y	Y	Y			No
04.01	<b>44.001</b>	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles							Y		No
04.02	<b>04.02</b>		GSM Public Land Mobile Network (PLMN) Access Reference Configuration	Y	Y	Y	Y	Y				No
04.02	<b>24.002</b>	04.02	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration						Y	Y		No
04.03	<b>04.03</b>		Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	Y	Y	Y	Y	Y	Y			No

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04.04	<b>04.04</b>		Layer 1 - General Requirements	Y	Y	Y	Y	Y	Y			No
04.04	<b>24.004</b>	04.04	Layer 1 - General Requirements							w		Yes
04.04	<b>44.004</b>	04.04	Layer 1 - General Requirements							Y		No
04.05	<b>04.05</b>		Data Link (DL) Layer General Aspects	Y	Y	Y	Y	Y	Y			No
04.05	<b>44.005</b>	04.05	Data Link (DL) Layer General Aspects							Y		No
04.06	<b>04.06</b>		Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	Y	Y	Y	Y	Y	Y			No
04.06	<b>44.006</b>	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification							Y		No
04.07	<b>04.07</b>		Mobile Radio Interface Signalling Layer 3 - General Aspects	Y	Y	Y	Y	Y				No
04.07	<b>24.007</b>	04.07	Mobile Radio Interface Signalling Layer 3 - General Aspects						Y	Y		No
04.08	<b>04.08</b>		Mobile radio interface layer 3 specification	Y	Y	Y	Y	Y	w			No
04.08	<b>24.008</b>	04.08	Mobile Radio Interface Layer 3 specification; Core Network Protocols; Stage 3						Y	Y	Y	No
04.08	<b>44.008</b>	04.08	Mobile radio interface layer 3 specification							Y		No
04.10	<b>04.10</b>		Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	Y	Y	Y	Y	Y				No
04.10	<b>24.010</b>	04.10	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects						Y	Y		No
04.11	<b>04.11</b>		Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	Y	Y	Y	Y	Y				No
04.11	<b>24.011</b>	04.11	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface						Y	Y		No
04.12	<b>04.12</b>		Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	Y	Y	Y	Y	Y	Y			No
04.12	<b>24.012</b>	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface						w	w		Yes
04.12	<b>44.012</b>	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface							Y		No
04.13	<b>04.13</b>		Performance Requirements on Mobile Radio Interface		Y	Y	Y	Y	Y			No
04.13	<b>44.013</b>	04.13	Performance Requirements on Mobile Radio Interface							Y		No
04.14	<b>04.14</b>		Individual equipment type requirements and interworking; Special conformance testing functions			Y	Y	Y	Y			No
04.14	<b>44.014</b>	04.14	Individual equipment type requirements and interworking; Special conformance testing functions							Y		No
04.18	<b>04.18</b>		Mobile radio interface layer 3 specification; Radio Resource Control Protocol						Y			No
04.18	<b>44.018</b>	04.18	Mobile Radio Interface - Layer 3 Specification RR part							Y	Y	No
04.21	<b>04.21</b>		Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	Y	Y	Y	Y	Y	Y			No
04.21	<b>44.021</b>	04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface							Y		No
04.22	<b>04.22</b>		Radio Link Protocol for Data and Telematic Services on the MS-BSS Interface	Y	Y	Y	Y	Y	w			No
04.22	<b>24.022</b>	04.22	Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface						Y	Y		No
04.28	<b>24.228</b>		Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3								Y	No
04.29	<b>24.229</b>		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3								Y	No
04.30	<b>04.30</b>		Location Services LCS Stage 3 SS (MO-LR)					Y				No
04.30	<b>24.030</b>	04.30	Location Services LCS Stage 3 SS (MO-LR)						Y	Y		No
04.31	<b>04.31</b>		Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)					Y	Y			No
04.31	<b>44.031</b>	04.31	Location Services LCS RR LCS Protocol							Y	Y	No
04.33	<b>04.33</b>		Lawful interception; Stage 3					w				Yes
04.35	<b>04.35</b>		Location Services LCS Stage 3 E-OTD Enhanced Observed				Y	Y				No
04.35	<b>24.135</b>	04.35	Multicall supplementary service; Stage 3						Y	Y		No

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04.35	<b>44.035</b>	04.35	Location Services LCS Stage 3 E-OTD Enhanced Observed							Y		No
04.36	<b>04.36</b>		Premium rate services - stage 3			w						Yes
04.46	<b>24.946</b>		reserved							w		No
04.53	<b>04.53</b>		Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3					w				Yes
04.56	<b>04.56</b>		GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification					Y	Y			No
04.56	<b>44.056</b>	04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification							Y		No
04.57	<b>04.57</b>		GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification					Y	Y			No
04.57	<b>44.057</b>	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification							Y		No
04.60	<b>04.60</b>		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol				Y	Y	Y			No
04.60	<b>44.060</b>	04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol							Y		No
04.61	<b>04.61</b>		General Packet Radio Service (GPRS); Point-to-multipoint multicast; Stage 3				w					Yes
04.62	<b>04.62</b>		General Packet Radio Service (GPRS); Point-to-multipoint group call; Stage 3				w					Yes
04.63	<b>04.63</b>		Packet Data on Signalling channels Service (PDS) Service Description, Stage 3			Y	Y	Y	Y			No
04.63	<b>44.063</b>	04.63	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3							Y		No
04.64	<b>04.64</b>		Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification			w	Y	Y	Y			No
04.64	<b>44.064</b>	04.64	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification							Y		No
04.65	<b>04.65</b>		General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDP)			w	Y	Y	Y			No
04.65	<b>24.065</b>	04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDP)						w			Yes
04.65	<b>44.065</b>	04.65	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDP)							Y		No
04.67	<b>04.67</b>		Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3			Y	Y	Y				No
04.67	<b>24.067</b>	04.67	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3						Y	Y		No
04.68	<b>04.68</b>		Group Call Control (GCC) Protocol			Y	Y	Y	Y			No
04.68	<b>24.068</b>	04.68	Group Call Control (GCC) Protocol						w			Yes
04.68	<b>44.068</b>	04.68	Group Call Control (GCC) Protocol							Y		No
04.69	<b>04.69</b>		Broadcast Call Control (BCC) protocol			Y	Y	Y	Y			No
04.69	<b>24.069</b>	04.69	Broadcast Call Control (BCC) protocol						w			Yes
04.69	<b>44.069</b>	04.69	Broadcast Call Control (BCC) protocol							Y		No
04.70	<b>04.70</b>		Payphone services - stage 3			w						Yes
04.71	<b>04.71</b>		Location Services (LCS); Mobile radio interface layer 3 specification					Y	Y			No
04.71	<b>44.071</b>	04.71	Location services (LCS) stage 3							Y		No
04.72	<b>04.72</b>		Call Deflection (CD) Supplementary Service; Stage 3					Y				No
04.72	<b>24.072</b>	04.72	Call Deflection Supplementary Service; Stage 3						Y	Y		No
04.73	<b>04.73</b>		Malicious Call Identification (MCID) - stage 3			w						Yes
04.78	<b>04.78</b>		Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 3			w						Yes
04.79	<b>04.79</b>		Support of Optimal routing - stage 3			w						Yes
04.80	<b>04.80</b>		Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding	Y	Y	Y	Y	Y				No

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04.80	<b>24.080</b>	04.80	Mobile radio Layer 3 Supplementary Service specification - Formats and coding						Y	Y		No
04.81	<b>04.81</b>		Line Identification Supplementary Services; Stage 3		Y	Y	Y	Y				No
04.81	<b>24.081</b>	04.81	Line Identification Supplementary Service; Stage 3						Y	Y		No
04.82	<b>04.82</b>		Call Forwarding (CF) Supplementary Services - Stage 3	Y	Y	Y	Y	Y				No
04.82	<b>24.082</b>	04.82	Call Forwarding Supplementary Service; Stage 3						Y	Y		No
04.83	<b>04.83</b>		Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3		Y	Y	Y	Y				No
04.83	<b>24.083</b>	04.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3						Y	Y		No
04.84	<b>04.84</b>		Multi Party (MPTY) Supplementary Services; Stage 3		Y	Y	Y	Y				No
04.84	<b>24.084</b>	04.84	MultiParty (MPTY) Supplementary Service; Stage 3						Y	Y		No
04.85	<b>04.85</b>		Closed User Group (CUG) Supplementary Services; Stage 3		Y	Y	Y	Y				No
04.85	<b>24.085</b>	04.85	Closed User Group (CUG) Supplementary Service; Stage 3						Y	Y		No
04.86	<b>04.86</b>		Advice of Charge (AoC) Supplementary Services; Stage 3		Y	Y	Y	Y				No
04.86	<b>24.086</b>	04.86	Advice of Charge (AoC) Supplementary Service; Stage 3						Y	Y		No
04.87	<b>04.87</b>		User-to-User Signalling (UUS) Supplementary Service Stage 3					Y				No
04.87	<b>24.087</b>	04.87	User-to-User Signalling (UUS); Stage 3						Y	Y		No
04.88	<b>04.88</b>		Call Barring (CB) Supplementary Services; Stage 3	Y	Y	Y	Y	Y				No
04.88	<b>24.088</b>	04.88	Call Barring (CB) Supplementary Service; Stage 3						Y	Y		No
04.90	<b>04.90</b>		Unstructured Supplementary Service Data (USSD)		Y	Y	Y	Y				No
04.90	<b>24.090</b>	04.90	Unstructured Supplementary Service Data (USSD); Stage 3						Y	Y		No
04.91	<b>04.91</b>		Explicit Call Transfer (ECT) Supplementary Service; Stage 3			Y	Y	Y				No
04.91	<b>24.091</b>	04.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 3						Y	Y		No
04.93	<b>04.93</b>		Completion of Calls to Busy Subscriber (CCBS); Stage 3				Y	Y				No
04.93	<b>24.093</b>	04.93	Call Completion to Busy Subscriber (CCBS); Stage 3						Y	Y		No
04.94	<b>04.94</b>		Follow Me Service description; Stage 3						w			Yes
04.94	<b>24.094</b>	04.94	Follow Me; Stage 3						w			Yes
04.96	<b>04.96</b>		Name Identification Supplementary Services; Stage 3				Y	Y				No
04.96	<b>24.096</b>	04.96	Name Identification Supplementary Service; Stage 3						Y	Y		No
04.98	<b>04.98</b>		New barring services - Stage 3 description			w						Yes
04.99	<b>04.99</b>		Direct subscriber access and restriction - stage 3			w						Yes
05.01	<b>05.01</b>		Physical Layer on the Radio Path (General Description)	Y	Y	Y	Y	Y	Y			No
05.01	<b>25.101</b>	05.01	UE Radio transmission and reception (FDD)						Y	Y		No
05.01	<b>25.201</b>		Physical layer -General Description						Y	Y		No
05.01	<b>25.301</b>		Radio Interface Protocol Architecture						Y	Y		No
05.01	<b>25.401</b>		UTRAN Overall Description						Y	Y	Y	No
05.01	<b>45.001</b>	05.01	Physical Layer on the Radio Path (General Description)							Y	Y	No
05.02	<b>05.02</b>		Multiplexing and Multiple Access on the Radio Path	Y	Y	Y	Y	Y	Y			No
05.02	<b>25.102</b>	05.02	UE Radio transmission and reception (TDD)						Y	Y		No
05.02	<b>25.302</b>		Services provided by the physical layer						Y	Y		No
05.02	<b>25.402</b>		Synchronisation in UTRAN Stage 2						Y	Y		No
05.02	<b>45.002</b>	05.02	Multiplexing and Multiple Access on the Radio Path							Y	Y	No
05.03	<b>05.03</b>		Channel coding	Y	Y	Y	Y	Y	Y			No
05.03	<b>25.103</b>	05.03	RF parameters in support of RRM						w			Yes
05.03	<b>25.303</b>		Interlayer procedures in Connected Mode						Y	Y		No
05.03	<b>45.003</b>	05.03	Channel coding							Y	Y	No
05.04	<b>05.04</b>		Modulation	Y	Y	Y	Y	Y	Y			No

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05.04	25.104	05.04	UTRA (BS) FDD; Radio transmission and reception						Y	Y		No
05.04	25.304		UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode						Y	Y		No
05.04	45.004	05.04	Modulation							w		No
05.05	05.05		Radio Transmission and Reception	Y	Y	Y	Y	Y	Y			No
05.05	25.105	05.05	UTRA (BS) TDD: Radio transmission and reception						Y	Y		No
05.05	25.305		Stage 2 functional specification of UE positioning in UTRAN						Y	Y	Y	No
05.05	45.005	05.05	Radio transmission and reception							Y	Y	No
05.06	25.106		UTRA Repeater; Radio transmission and reception							Y		No
05.06	25.306		UE Radio Access capabilities definition						Y	Y		No
05.07	25.107		UTRA Repeater; Conformance testing							w		Yes
05.07	25.307		Requirements on UE supporting a release-independent frequency band						Y	Y		No
05.08	05.08		Radio Subsystem Link Control	Y	Y	Y	Y	Y	Y			No
05.08	25.308		High speed downlink packet access								Y	No
05.08	45.008	05.08	Radio subsystem link control							Y	Y	No
05.09	05.09		Link adaptation					Y	Y			No
05.09	45.009	05.09	Link adaptation							Y	Y	No
05.10	05.10		Radio subsystem synchronization	Y	Y	Y	Y	Y	Y			No
05.10	25.410		UTRAN Iu Interface: General Aspects and Principles						Y	Y		No
05.10	45.010	05.10	Radio subsystem synchronization							Y		No
05.11	25.211		Physical channels and mapping of transport channels onto physical channels (FDD)						Y	Y		No
05.11	25.411		UTRAN Iu interface Layer 1						Y	Y		No
05.12	25.212		Multiplexing and channel coding (FDD)						Y	Y		No
05.12	25.412		UTRAN Iu interface signalling transport						Y	Y		No
05.13	25.113		Base station EMC						Y	Y		No
05.13	25.213		Spreading and modulation (FDD)						Y	Y		No
05.13	25.413		UTRAN Iu interface RANAP signalling						Y	Y		No
05.14	05.14		Release independent frequency bands; Implementation guidelines				Y	Y	w			No
05.14	25.214		Physical layer procedures (FDD)						Y	Y		No
05.14	25.414		UTRAN Iu interface data transport & transport signalling						Y	Y		No
05.15	25.215		Physical layer; Measurements (FDD)						Y	Y		No
05.15	25.415		UTRAN Iu interface user plane protocols						Y	Y		No
05.18	05.18		Hands free mobile station			w						Yes
05.19	05.19		Service to GSM handportables in trains			w						Yes
05.19	25.419		UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)						Y	Y		No
05.20	05.20		Fast moving Mobile Station (study)			w						Yes
05.20	25.420		UTRAN Iur Interface: General Aspects and Principles						Y	Y		No
05.21	05.21		DCS 1800; 4 Watt Mobile Power Class - study				w					Yes
05.21	25.221		Physical channels and mapping of transport channels onto physical channels (TDD)						Y	Y		No
05.21	25.321		Medium Access Control (MAC) protocol specification						Y	Y		No
05.21	25.421		UTRAN Iur interface Layer 1						Y	Y		No
05.21	25.921		Guidelines and principles for protocol description and error handling						Y	Y		No
05.22	05.22		Radio link management in hierarchical networks		Y	Y	Y	Y	Y			No
05.22	25.222		Multiplexing and channel coding (TDD)						Y	Y		No
05.22	25.322		Radio Link Control (RLC) protocol specification						Y	Y		No
05.22	25.422		UTRAN Iur interface signalling transport						Y	Y		No
05.22	25.922		Radio Resource Management Strategies						Y	Y		No
05.22	45.022	05.22	Radio link management in hierarchical networks							Y		No
05.23	25.123		Requirements for support of radio resource management (TDD)						Y	Y		No
05.23	25.223		Spreading and modulation (TDD)						Y	Y		No
05.23	25.323		Packet Data Convergence Protocol (PDCP) specification						Y	Y		No
05.23	25.423		UTRAN Iur interface RNSAP signalling						Y	Y		No
05.23	25.923		Stage 2 Functional Specification of Location Services in UTRAN						w			Yes
05.24	25.224		Physical layer procedures (TDD)						Y	Y		No

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05.24	25.324		Broadcast/Multicast Control (BMC)						Y	Y		No
05.24	25.424		UTRAN Iur interface data transport & transport signalling for CCH data streams						Y	Y		No
05.24	25.924		Opportunity Driven Multiple Access (ODMA)							Y		No
05.25	25.225		Physical layer; Measurements (TDD)						Y	Y		No
05.25	25.425		UTRAN Iur interface user plane protocols for CCH data streams						Y	Y		No
05.25	25.925		Radio Interface for Broadcast/Multicast Services						Y			No
05.26	25.426		UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams						Y	Y		No
05.26	25.926		UE Radio Access capabilities definition						w			Yes
05.27	25.427		UTRAN Iur and Iub interface user plane protocols for DCH data streams						Y	Y		No
05.28	25.928		1,28 Mcps functionality for UTRA TDD physical layer							Y		No
05.30	05.30		General packet radio service requirements			w						Yes
05.30	25.430		UTRAN Iub Interface: General Aspects and Principles						Y	Y		No
05.31	25.331		Radio Resource Control (RRC) Protocol Specification						Y	Y		No
05.31	25.431		UTRAN Iub interface Layer 1						Y	Y		No
05.31	25.831		Study Items for future release						Y			No
05.31	25.931		UTRAN Functions, examples on signalling procedures						Y	Y		No
05.32	25.432		UTRAN Iub interface signalling transport						Y	Y		No
05.32	25.832		Manifestations of Handover and SRNS relocation						Y	Y		No
05.32	25.932		Delay budget within the access stratum							w		Yes
05.33	25.133		Requirements for support of radio resource management (FDD)						Y	Y		No
05.33	25.433		UTRAN Iub interface NBAP signalling						Y	Y		No
05.33	25.833		Physical layer items not for inclusion in Release 99						Y			No
05.33	25.933		IP Transport in UTRAN							Y		No
05.34	25.434		UTRAN Iub interface data transport & transport signalling for CCH data streams						Y	Y		No
05.34	25.834		UTRA TDD low chip rate option; Radio protocol aspects							Y		No
05.34	25.934		AAL2 QoS optimization							Y		No
05.35	25.435		UTRAN Iub interface user plane protocols for CCH data streams						Y	Y		No
05.35	25.835		Report on hybrid ARQ type II/III							Y		No
05.35	25.935		RRM optimisation							Y		No
05.36	25.836		Node B synchronization for TDD							Y		No
05.36	25.936		Handover for realtime services from PS-domain							Y		No
05.37	25.837		Hybrid ARQ Type II/III (Iub/Iur aspects)							Y		No
05.37	25.937		UTRAN TDD low chiprate							Y		No
05.38	25.838		Node B Synchronisation for TDD (Iub/Iur aspects)							Y		No
05.38	25.938		Terminal power saving features							Y		No
05.39	25.839		Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects)							Y		No
05.40	25.840		Terminal power saving features							Y		No
05.41	25.141		Base station conformance testing (FDD)						Y	Y		No
05.41	25.841		DSCH power control improvement in soft handover							Y		No
05.41	25.941		Document structure						Y			No
05.42	25.142		Base station conformance testing (TDD)						Y	Y		No
05.42	25.442		UTRAN Implementation Specific O&M Transport						Y	Y		No
05.42	25.842		Smart antenna							Y		No
05.42	25.942		RF system scenarios						Y	Y		No
05.43	25.143		UTRA Repeater; Conformance testing							Y		No
05.43	25.843		1,28 Mcps TDD UE Radio Access Capabilities							Y		No
05.43	25.943		Deployment aspects							Y		No
05.44	25.844		Radio access bearer support enhancements							Y		No
05.44	25.944		Channel coding and multiplexing examples						Y	Y		No
05.45	25.845		FDD RACH and AICH performance requirements							Y		No
05.45	25.945		RF requirements for low chip rate TDD option							Y		No
05.46	25.846		CPCH performance							w		Yes
05.46	25.946		RAB Quality of Service Negotiation over Iu							Y		No
05.47	25.847		UE positioning enhancements							Y		No

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05.49	25.849		DSCH power control improvement in soft handover							Y		No
05.50	05.50		Background for RF Requirements		Y	Y	Y	Y	Y			No
05.50	25.450		UTRAN lupc interface general aspects and principles								Y	No
05.50	25.850		UE positioning in UTRAN Iub/Iur protocol aspects							Y		No
05.50	25.950		UTRA high speed downlink packet access							Y		No
05.50	45.050	05.50	Background for RF Requirements							Y		No
05.51	25.451		UTRAN lupc interface layer 1								Y	No
05.51	25.851		RAB Quality of Service Renegotiation over Iu							Y		No
05.51	25.951		Base Station classification (FDD)							Y		No
05.52	25.452		UTRAN lupc interface signalling transport								Y	No
05.52	25.852		Radio access bearer support enhancements for the Iu							Y		No
05.52	25.952		Base Station classification (TDD)							w	Y	No
05.53	25.053		Tandem Free Operation (TFO); Service description; Stage 2						w			Yes
05.53	25.453		UTRAN lupc interface Positioning Calculation Application Part (PCAP) signalling								Y	No
05.53	25.853		Delay budget within the access stratum						Y	Y		No
05.53	25.953		TrFO/TFO							Y		No
05.54	25.854		Uplink Synchronous Transmission Scheme (USTS)								Y	No
05.54	25.954		Migration to modification procedure							Y		No
05.55	25.855		High Speed Downlink Packet Access (HSDPA); Overall UTRAN description								Y	No
05.56	05.56		CTS-FP Radio Sub-system				Y	Y				No
05.56	25.856		High Speed Downlink Packet Access (HSDPA); Layer 2 and 3 aspects								Y	No
05.56	25.956		UTRA repeater: Planning guidelines and system analysis							Y		No
05.56	45.056	05.56	CTS-FP Radio Sub-system							Y		No
05.57	25.857		UE positioning enhancements								Y	No
05.58	25.858		Physical layer aspects of UTRA High Speed Downlink Packet Access								Y	No
05.59	25.859		User Equipment positioning enhancements for 1,28 Mcps TDD								Y	No
05.68	25.868		Node B synchronization for 1,28 Mcps, TDD								Y	No
05.69	25.869		RAN WG1 report on Tx diversity solutions for multiple antennas								Y	No
05.70	25.870		Enhancement on the DSCH Hard Split mode								Y	No
05.71	25.371		LMU signalling							w		Yes
05.75	25.875		NAS node selector function								Y	No
05.76	25.876		Multiple-Input Multiple-Output Antenna Processing for HSDPA								Y	No
05.77	25.877		High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects								Y	No
05.78	25.878		RL Timing Adjustment								Y	No
05.79	25.879		Separation of resource reservation and radio link activation								Y	No
05.80	25.880		Traffic Termination Point Swapping								Y	No
05.81	25.881		Improvement of Radio Resource Management across RNS and RNS/BSS								Y	No
05.82	25.882		1,28 Mcps TDD option base station classification								Y	No
05.83	25.883		Direct Transport Bearers Between SRNC and Node-B								Y	No
05.84	25.884		Iur Neighbouring cell reporting efficiency optimisation								Y	No
05.85	25.885		UMTS 1800 / 1900 MHz work items report								Y	No
05.86	25.886		Small technical enhancements and improvements work item								Y	No
05.90	05.90		GSM Electro Magnetic Compatibility (EMC) Considerations		Y	Y	Y	Y				No
05.90	25.990		Vocabulary for UTRAN						Y			No
05.91	25.991		Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment								Y	No
06.01	06.01		Full Rate Speech Processing Functions	Y	Y	Y	Y	Y	Y			No



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06.01	<b>26.101</b>	06.01	AMR speech Codec; Frame Structure						Y	Y		No
06.01	<b>26.201</b>		AMR speech codec, wideband; Frame structure								Y	No
06.01	<b>26.901</b>		AMR wideband speech codec; Feasibility study report							Y		No
06.01	<b>46.001</b>	06.01	Full Rate Speech Processing Functions							Y		No
06.02	<b>06.02</b>		Half Rate Speech Processing Functions		Y	Y	Y	Y	Y			No
06.02	<b>26.102</b>	06.02	AMR speech Codec; Interface to lu and Uu						Y	Y		No
06.02	<b>26.202</b>		AMR speech codec, wideband; Interface to lu and Uu								Y	No
06.02	<b>46.002</b>	06.02	Half Rate Speech Processing Functions							Y		No
06.03	<b>26.103</b>		Codec lists						Y	Y	Y	No
06.04	<b>26.104</b>		AMR speech Codec; Floating point C-Code						Y	Y		No
06.06	<b>06.06</b>		Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec		Y	Y	Y	Y	Y			No
06.06	<b>46.006</b>	06.06	Half-rate speech: ANSI-C code for GSM half-rate speech codec							Y		No
06.07	<b>06.07</b>		Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec		Y	Y	Y	Y	Y			No
06.07	<b>46.007</b>	06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec							Y		No
06.08	<b>06.08</b>		Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec		Y	Y	Y	Y	Y			No
06.08	<b>46.008</b>	06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec							Y		No
06.10	<b>06.10</b>		Full Rate Speech Transcoding	Y	Y	Y	Y	Y	Y			No
06.10	<b>26.110</b>	06.10	Codec for Circuit switched Multimedia Telephony Service; General Description						Y	Y		No
06.10	<b>46.010</b>	06.10	Full-rate speech transcoding							Y		No
06.11	<b>06.11</b>		Substitution and Muting of Lost Frames for Full Rate Speech Channels	Y	Y	Y	Y	Y	Y			No
06.11	<b>26.111</b>	06.11	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324						Y	Y		No
06.11	<b>26.911</b>		Codec for Circuit switched Multimedia Telephony Service; Terminal Implementor's Guide						Y	Y		No
06.11	<b>46.011</b>	06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels							Y		No
06.12	<b>06.12</b>		Comfort Noise Aspects for Full Rate Speech Traffic Channels	Y	Y	Y	Y	Y	Y			No
06.12	<b>26.112</b>	06.12	Codec(s) for Circuit Switched Multimedia Telephony Service; Call Set-up Requirements						w			Yes
06.12	<b>26.912</b>		Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G						Y	Y		No
06.12	<b>46.012</b>	06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels							Y		No
06.13	<b>26.913</b>		Quantitative performance evaluation of real-time packet switched multimedia services over 3G						w	w		Yes
06.15	<b>26.115</b>		Transmission Delay and Echo Control Planning For Speech and Multi-Media Services						w	Y		No
06.15	<b>26.915</b>		Echo Control For Speech and Multi-Media Services						Y			No
06.20	<b>06.20</b>		Half Rate Speech Transcoding		Y	Y	Y	Y	Y			No
06.20	<b>26.920</b>		Architectural Model for the 3G Transcoders							w		Yes
06.20	<b>46.020</b>	06.20	Half Rate Speech Transcoding							Y		No
06.21	<b>06.21</b>		Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels		Y	Y	Y	Y	Y			No
06.21	<b>26.121</b>	06.21	Technical Specification for Tandem Free Operation within 3G networks						w			Yes
06.21	<b>46.021</b>	06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels							Y		No
06.22	<b>06.22</b>		Comfort Noise Aspects for Half Rate Speech Traffic Channels		Y	Y	Y	Y	Y			No
06.22	<b>26.122</b>	06.22	Technical Specification for Tandem Free Operation between 3G and 2G networks						w			Yes
06.22	<b>46.022</b>	06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels							Y		No
06.26	<b>26.226</b>		Global text telephony; Transport of text in the voice channel							w	Y	No
06.30	<b>26.230</b>		Global text telephony; Cellular text telephone modem transmitter C-code description							w	Y	No

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06.31	<b>06.31</b>		Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	Y	Y	Y	Y	Y	Y			No
06.31	<b>26.131</b>	06.31	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics						Y	Y	Y	No
06.31	<b>26.231</b>		Global text telephony; Cellular text telephone modem minimum performance requirements								Y	No
06.31	<b>46.031</b>	06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels							Y		No
06.32	<b>06.32</b>		Voice Activity Detection (VAD)	Y	Y	Y	Y	Y	Y			No
06.32	<b>26.132</b>	06.32	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.						Y	Y	Y	No
06.32	<b>46.032</b>	06.32	Voice Activity Detection (VAD)							Y		No
06.33	<b>26.133</b>		Wide band speech telephony terminal acoustic characteristics						w			Yes
06.33	<b>26.233</b>		End-to-end transparent streaming service; General description							Y		No
06.34	<b>26.134</b>		Wide band speech telephony terminal acoustic test specification						w			Yes
06.34	<b>26.234</b>		End-to-end transparent streaming service; Protocols and codecs							Y		No
06.35	<b>26.135</b>		Terminal Display and Camera Characteristics for H.324 Narrow-band Video Telephony						w			Yes
06.35	<b>26.235</b>		Packet switched conversational multimedia applications; Default codecs							w	Y	No
06.36	<b>26.136</b>		Terminal Display and Camera Test Specifications for H.324 Narrow-band Video Telephony						w			Yes
06.37	<b>26.137</b>		Terminal Display and Camera Characteristics for H.323 Narrow-band Video Telephony						w			Yes
06.38	<b>26.138</b>		Terminal Display and Camera Test Specifications for H.323 Narrow-band Video Telephony						w			Yes
06.41	<b>06.41</b>		Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels		Y	Y	Y	Y	Y			No
06.41	<b>46.041</b>	06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels							Y		No
06.42	<b>06.42</b>		Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels		Y	Y	Y	Y	Y			No
06.42	<b>46.042</b>	06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels							Y		No
06.51	<b>06.51</b>		GSM Enhanced full rate speech processing functions: General description		Y	Y	Y	Y	Y			No
06.51	<b>46.051</b>	06.51	GSM Enhanced full rate speech processing functions: General description							Y		No
06.53	<b>06.53</b>		ANSI-C code for the GSM Enhanced full rate speech codec		Y	Y	Y	Y	Y			No
06.53	<b>46.053</b>	06.53	ANSI-C code for the GSM Enhanced full rate speech codec							Y		No
06.54	<b>06.54</b>		Test sequences for the GSM Enhanced Full Rate (EFR)		Y	Y	Y	Y	Y			No
06.54	<b>46.054</b>	06.54	Test sequences for the GSM Enhanced Full Rate (EFR)							Y		No
06.55	<b>06.55</b>		Performance characterisation of the GSM EFR Speech Codec		Y	Y	Y	Y	Y			No
06.55	<b>46.055</b>	06.55	Performance characterisation of the GSM EFR Speech Codec							Y		No
06.60	<b>06.60</b>		Enhanced full rate speech transcoding		Y	Y	Y	Y	Y			No
06.60	<b>46.060</b>	06.60	Enhanced full rate speech transcoding							Y		No
06.61	<b>06.61</b>		Substitution and muting of lost frames for enhanced full rate speech traffic channels		Y	Y	Y	Y	Y			No
06.61	<b>46.061</b>	06.61	Substitution and muting of lost frames for enhanced full rate speech traffic channels							Y		No
06.62	<b>06.62</b>		Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels		Y	Y	Y	Y	Y			No
06.62	<b>46.062</b>	06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels							Y		No
06.71	<b>06.71</b>		Adaptive Multi-Rate speech processing functions; General description					Y				No
06.71	<b>26.071</b>	06.71	AMR speech Codec; General description						Y	Y		No
06.71	<b>26.171</b>	06.71	AMR speech codec, wideband; General description								Y	No
06.73	<b>06.73</b>		ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec					Y				No
06.73	<b>26.073</b>	06.73	AMR speech Codec; C-source code						Y	Y		No
06.73	<b>26.173</b>	06.73	AMR speech codec, wideband; C-source code								Y	No

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06.74	<b>06.74</b>		Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec					Y				No
06.74	<b>26.074</b>	06.74	AMR speech Codec; Test sequences						Y	Y		No
06.74	<b>26.174</b>	06.74	AMR speech codec, wideband; Test sequences								Y	No
06.75	<b>06.75</b>		AMR performan characterisation					Y				No
06.75	<b>26.075</b>	06.75	AMR speech Codec; Performance Charaterization of the GSM AMR Speech Codec						w			Yes
06.75	<b>26.975</b>		Performance characterization of the AMR speech codec						Y	Y		No
06.76	<b>06.76</b>		Adaptive Multi-Rate (AMR) speech codec; Study phase report					Y	Y			No
06.76	<b>26.976</b>		Results of the AMR wideband (AMR-W) selection phase								Y	No
06.76	<b>46.076</b>	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report							Y		No
06.77	<b>06.77</b>		Minimum Performance Requirements for Noise Suppressor Application to the AMR Speech Encoder						Y			No
06.77	<b>26.077</b>	06.77	Minimum Performance Requirements for Noise Suppressor Application to the AMR Speech Encoder							Y		No
06.78	<b>06.78</b>		Results of the AMR noise suppression selection phase						Y			No
06.78	<b>26.078</b>	06.78	Results of the AMR noise suppression selection phase							w		Yes
06.78	<b>26.978</b>		Results of the AMR noise suppression selection phase							Y		No
06.81	<b>06.81</b>		Discontinuous Transmission (DTX) for encanced full rate speech traffic channels		Y	Y	Y	Y	Y			No
06.81	<b>46.081</b>	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels							Y		No
06.82	<b>06.82</b>		Voice Activity Detection (VAD) for encanced full rate speech traffic channels		Y	Y	Y	Y	Y			No
06.82	<b>46.082</b>	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels							Y		No
06.85	<b>06.85</b>		Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation			Y	Y	Y	Y			No
06.85	<b>46.085</b>	06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation							Y		No
06.90	<b>06.90</b>		Adaptive Multi-Rate speech transcoding					Y				No
06.90	<b>26.090</b>	06.90	AMR speech Codec; Transcoding Functions						Y	Y		No
06.90	<b>26.190</b>	06.90	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions								Y	No
06.91	<b>06.91</b>		Substitution and muting of lost frames for AMR speech traffic channels					Y				No
06.91	<b>26.091</b>	06.91	AMR speech Codec; Error concealment of lost frames						Y	Y		No
06.91	<b>26.191</b>	06.91	AMR speech codec, wideband; Error concealment of lost frames								Y	No
06.92	<b>06.92</b>		Comfort noise aspects for Adaptive Multi-Rate speech traffic channels					Y				No
06.92	<b>26.092</b>	06.92	AMR speech Codec; comfort noise for AMR Speech Traffic Channels						Y	Y		No
06.92	<b>26.192</b>	06.92	Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects								Y	No
06.93	<b>06.93</b>		Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels					Y				No
06.93	<b>26.093</b>	06.93	AMR speech Codec; Source Controlled Rate operation						Y	Y		No
06.93	<b>26.193</b>	06.93	AMR speech codec, wideband; Source Controlled Rate operation								Y	No
06.94	<b>06.94</b>		Voice Activity Detector (VAD) for Adaptive Multi Rate (AMR) speech traffic channels					Y				No
06.94	<b>26.094</b>	06.94	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels						Y	Y		No
06.94	<b>26.194</b>	06.94	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)								Y	No

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07.01	<b>07.01</b>		General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	Y	Y	Y	Y	Y	w			No
07.01	<b>27.001</b>	07.01	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)						Y	Y		No
07.01	<b>27.901</b>		Report on Terminal Interfaces - An Overview						Y	Y		No
07.02	<b>07.02</b>		Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	Y	Y	Y	Y	Y	w			No
07.02	<b>27.002</b>	07.02	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities						Y	Y		No
07.03	<b>07.03</b>		Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	Y	Y	Y	Y	Y	w			No
07.03	<b>27.003</b>	07.03	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities						Y	Y		No
07.03	<b>27.103</b>	07.03	Wide Area Network Synchronization						Y	Y		No
07.03	<b>27.903</b>		Discussion of synchronization standards						Y	Y		No
07.04	<b>27.104</b>		vObjects and other constructs for data synchronization								Y	No
07.05	<b>07.05</b>		Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)		Y	Y	Y	Y				No
07.05	<b>27.005</b>	07.05	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)						Y	Y		No
07.06	<b>07.06</b>		Use of the V Series Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface at the Mobile Station (MS) for Mobile Termination (MT) configuration		w							Yes
07.07	<b>07.07</b>		AT Command set for GSM Mobile Equipment (ME)		Y	Y	Y	Y				No
07.07	<b>27.007</b>	07.07	AT command set for 3G User Equipment (UE)						Y	Y		No
07.08	<b>07.08</b>		GSM Application Programming Interface			Y			w			No
07.10	<b>07.10</b>		Terminal Equipment to Mobile Station (TE-MS) multiplexer protocol				Y	Y				No
07.10	<b>27.010</b>	07.10	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE)						Y	Y		No
07.26	<b>27.226</b>		Global Text telephony; Terminal aspects								w	Yes
07.57	<b>07.57</b>		Mobile Station Application Execution Environment (MExE); Stage 3			w						Yes
07.60	<b>07.60</b>		General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS			Y	Y	Y				No
07.60	<b>27.060</b>	07.60	Packet domain; Mobile Station (MS) supporting Packet Switched services						Y	Y		No
08.01	<b>08.01</b>		General Aspects on the BSS-MSC Interface	Y	Y	Y	Y	Y	Y			No
08.01	<b>48.001</b>	08.01	General Aspects on the BSS-MSC Interface							Y		No
08.02	<b>08.02</b>		Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	Y	Y	Y	Y	Y	Y			No
08.02	<b>48.002</b>	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles							Y	Y	No
08.04	<b>08.04</b>		Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	Y	Y	Y	Y	Y	Y			No
08.04	<b>48.004</b>	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification							Y		No
08.06	<b>08.06</b>		Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	Y	Y	Y	Y	Y	Y			No
08.06	<b>48.006</b>	08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface							Y		No
08.08	<b>08.08</b>		Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	Y	Y	Y	Y	Y	Y			No
08.08	<b>48.008</b>	08.08	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification							Y	Y	No
08.14	<b>08.14</b>		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1				Y	Y	Y			No

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08.14	<b>48.014</b>	08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1							Y		No
08.16	<b>08.16</b>		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service				Y	Y	Y			No
08.16	<b>48.016</b>	08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service							Y	Y	No
08.18	<b>08.18</b>		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol				Y	Y	Y			No
08.18	<b>48.018</b>	08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol							Y	Y	No
08.20	<b>08.20</b>		Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	Y	Y	Y	Y	Y	Y			No
08.20	<b>28.020</b>	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface							Y		No
08.20	<b>48.020</b>	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface							Y		No
08.31	<b>08.31</b>		Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification					Y	Y			No
08.31	<b>48.031</b>	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification							Y		No
08.51	<b>08.51</b>		Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects	Y	Y	Y	Y	Y	Y			No
08.51	<b>48.051</b>	08.51	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects							Y		No
08.52	<b>08.52</b>		Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles	Y	Y	Y	Y	Y	Y			No
08.52	<b>48.052</b>	08.52	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles							Y		No
08.54	<b>08.54</b>		BSC-BTS : Layer 1 Structure of Physical Circuits	Y	Y	Y	Y	Y	Y			No
08.54	<b>48.054</b>	08.54	BSC-BTS : Layer 1 Structure of Physical Circuits							Y		No
08.56	<b>08.56</b>		BSC-BTS Layer 2 Specification	Y	Y	Y	Y	Y	Y			No
08.56	<b>48.056</b>	08.56	BSC-BTS Layer 2 Specification							Y		No
08.58	<b>08.58</b>		Base Station Controller - Base Transceiver Station (BSC-BTS) Interface Layer 3 Specification	Y	Y	Y	Y	Y	Y			No
08.58	<b>48.058</b>	08.58	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface Layer 3 Specification							Y	Y	No
08.59	<b>08.59</b>		BSC-BTS O&M Signalling Transport	Y	w							No
08.60	<b>08.60</b>		Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	Y	Y	Y	Y	Y	Y			No
08.60	<b>48.060</b>	08.60	In-band control of remote transcoders and rate adaptors for full rate traffic channels							Y		No
08.61	<b>08.61</b>		Inband Control of Remote Transcoder and Rate Adaptors; (Half Rate)		Y	Y	Y	Y	Y			No
08.61	<b>48.061</b>	08.61	In-band control of remote transcoders and rate adaptors for half rate traffic channels							Y		No
08.62	<b>08.62</b>		Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3					Y	Y			No
08.62	<b>28.062</b>	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3						w	Y		No
08.62	<b>48.062</b>	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3							w		Yes
08.64	<b>08.64</b>		GPRS support node - BSS protocol (SGSN_BSS) interface; BSSGP layer 3				w					Yes
08.71	<b>08.71</b>		Location services (LCS) SMLC-BSS interface L 3					Y	Y			No
08.71	<b>48.071</b>	08.71	Location services (LCS) SMLC-BSS interface L 3							Y		No
09.01	<b>09.01</b>		General Network Interworking Scenarios	Y	Y	Y	Y	Y	Y			No
09.01	<b>49.001</b>	09.01	General Network Interworking Scenarios							Y		No
09.02	<b>09.02</b>		Mobile Application Part ( MAP) Specification	Y	Y	Y	Y	Y				No
09.02	<b>29.002</b>	09.02	Mobile Application Part (MAP) specification						Y	Y		No
09.02	<b>29.202</b>		Signalling System No. 7 (SS7) signalling transport in core network; Stage 3							Y		No

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09.03	<b>09.03</b>		Signalling Requirements on Interworking between the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile Network (PLMN)	Y	Y	Y	Y	Y				No
09.03	<b>29.203</b>		Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)								w	Yes
09.03	<b>29.903</b>		Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)							Y		No
09.04	<b>09.04</b>		Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	Y	Y	Y	Y	Y				No
09.04	<b>29.004</b>	09.04	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)						w			Yes
09.05	<b>09.05</b>		Interworking between the PLMN and the PSPDN for PAD Access	Y	Y	Y	Y	Y				No
09.05	<b>29.005</b>	09.05	Interworking between the Public Land Mobile Network (PLMN) and the Packet Switched Public Data Network (PSPDN) for Packet Assembly/Disassembly (PAD) facility access						w			Yes
09.05	<b>29.205</b>		Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3							Y		No
09.06	<b>09.06</b>		Interworking between a Public Land Mobile Network (PLMN) and a Packet Switched Public Data Network/Intergrated Services digital Network (PSPDN/ISDN) for Support of Packet Switched Data Transmission Services		Y	Y	Y	Y				No
09.06	<b>29.006</b>	09.06	Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services						w			Yes
09.07	<b>09.07</b>		General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	Y	Y	Y	Y	Y	w			No
09.07	<b>29.007</b>	09.07	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)						Y	Y		No
09.07	<b>29.207</b>		End to end quality of service; stage 3								Y	No
09.08	<b>09.08</b>		Application of the Base Station System Application Part (BSSAP) on the E-Interface		Y	Y	Y	Y	Y			No
09.08	<b>29.108</b>	09.08	Application of the Radio Access Network Application Part (RANAP) on the E-interface						Y	Y		No
09.08	<b>49.008</b>	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface							Y		No
09.09	<b>09.09</b>		Detailed Signalling Interworking within the PLMN and with the PSTN/ISDN	Y								No
09.10	<b>09.10</b>		Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	Y	Y	Y	Y	Y				No
09.10	<b>29.010</b>	09.10	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)						Y	Y		No
09.11	<b>09.11</b>		Signalling Interworking for Supplementary Services	Y	Y	Y	Y	Y				No
09.11	<b>29.011</b>	09.11	Signalling Interworking for Supplementary Services						Y	Y		No
09.12	<b>09.12</b>		Application of ISUP Version 2 for the ISDN-PLMN (GSM) Signalling		Y	w						No
09.13	<b>09.13</b>		Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols				Y	Y				No
09.13	<b>29.013</b>	09.13	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols						Y	Y		No

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09.14	09.14		Application of ISUP Version 3 for the ISDN-PLMN (GSM) Signalling					Y	w			No
09.14	29.414		Core network Nb nata transport and transport signalling							Y		No
09.15	29.415		Core network Nb interface user plane protocols							Y		No
09.16	09.16		General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification				Y	Y				No
09.16	29.016	09.16	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification						Y	Y		No
09.18	09.18		General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification				Y	Y	w			No
09.18	29.018	09.18	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification						Y	Y		No
09.19	29.119		GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)						Y	Y		No
09.20	09.20		Support of Shared Data Interworking Function			w						Yes
09.20	29.120	09.20	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3						Y	Y		No
09.26	29.226		reserved								Y	No
09.28	29.228		IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents								Y	No
09.29	29.229		Cx Interface based on the DIAMETER protocol; Protocol details								Y	No
09.31	09.31		Location Services LCS Extension (BSSAP-LE)					Y	Y			No
09.31	49.031	09.31	Location Services LCS Extension (BSSAP-LE)							Y	Y	No
09.32	29.232		Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3							Y		No
09.60	09.60		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface			w	Y	Y				No
09.60	29.060	09.60	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface						Y	Y		No
09.61	09.61		General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet				Y	Y				No
09.61	29.061	09.61	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)						Y	Y		No
09.62	29.162		Interworking between the IM CN subsystem and IP networks								Y	No
09.63	29.163		Interworking between the IM CN subsystem and CS networks								Y	No
09.78	09.78		CAMEL Application Part phase 2 (stage 3)			Y	Y	Y				No
09.78	29.078	09.78	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification						Y	Y		No
09.90	09.90		Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)		Y	Y	w					No
09.91	09.91		Interworking Aspects of the SIM/ME Interface Between Phase 1 and Phase 2		Y							No
09.92	09.92		GSM Phase 1 Mobile Station interworking with Phase 2 Networks		w							Yes
09.94	09.94		Recommended Infrastructure Measures to Overcome Specific Phase 1 Mobile Stations Faults		Y	w	w					No
09.95	09.95		Interworking between modified PLMN supporting GPRS and legacy GPRS mobiles				Y	Y				No
09.98	29.198		Open Service Architecture (OSI) Application Programming Interface (API) - Part 1						Y			No
09.98	29.998		Open Services Architecture API part 2						Y			No
09.98-01	29.198-01		Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview							Y		No
09.98-01	29.998-01		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping							Y		No

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09.98-03	<b>29.198-03</b>		Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework							Y		No
09.98-04	<b>29.198-04</b>		Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control							Y		No
09.98-04-1	<b>29.998-04-1</b>		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping							Y		No
09.98-04-2	<b>29.998-04-2</b>		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 2:								Y	No
09.98-05	<b>29.198-05</b>		Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction							Y		No
09.98-05-1	<b>29.998-05-1</b>		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping							Y		No
09.98-05-2	<b>29.998-05-2</b>		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 2:								Y	No
09.98-05-3	<b>29.998-05-3</b>		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 3								Y	No
09.98-05-4	<b>29.998-05-4</b>		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping							Y		No
09.98-06	<b>29.198-06</b>		Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility							Y		No
09.98-06	<b>29.998-06</b>		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location – User Status Service Mapping to MAP							Y		No
09.98-07	<b>29.198-07</b>		Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities							Y		No
09.98-08	<b>29.198-08</b>		Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control							Y		No
09.98-08	<b>29.998-08</b>		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP							Y		No
09.98-09	<b>29.198-09</b>		Open Service Access (OSA) Application Programming Interface (API); Part 9: Generic messaging SCF								Y	No
09.98-10	<b>29.198-10</b>		Open Service Access (OSA) Application Programming Interface (API); Part 10: Connectivity manager SCF								Y	No
09.98-11	<b>29.198-11</b>		Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management							Y		No
09.98-12	<b>29.198-12</b>		Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging							Y		No
10.00	<b>10.00</b>		Digital Cellular Telecommunication System Feature Description			Y		Y				No
10.01	<b>10.01</b>		GSM features and releases				Y					No
10.01	<b>30.801</b>		Overall Project Plan							w		Yes
10.02	<b>10.02</b>		Guidelines for the modification of the Mobile Application Part (MAP) in phase 2+			Y	Y					No
10.02	<b>30.002</b>	10.02	Guidelines for the modification of the Mobile Application Part (MAP)							Y		Yes
10.02	<b>30.802</b>		Project plan on Bearer Services and QoS							w		Yes
10.04	<b>30.504</b>		Work Plan and Study Items - RAN WG4							Y		No
10.04	<b>30.804</b>		Project plan on GSM/UMTS Interoperation and Mobility Management							w		Yes
10.06	<b>30.806</b>		Project plan on Location based services							w		Yes



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10.08	30.808		Project plan on Packet Architecture and Circuit Architecture							w		Yes
10.10	30.810		Project plan on Security							w		Yes
10.12	30.812		Project plan on Services and Service platforms							w		Yes
10.14	10.14		System overview for 14.4 kbit/s Work Item			Y						No
10.17	10.17		General Packet Radio Service (GPRS); Charging in GPRS				w					Yes
10.20	10.20		Lawful Interception requirements for GSM			Y	w					Yes
10.31	30.531		Work Plan and Study Items - RAN WG3						Y			No
10.43	10.43		Support of Localised Service Area (SoLSA); Work Item Status						w			Yes
10.43	50.043	10.43	Support of Localised Service Area (SoLSA); Work Item Status							w		No
10.56	10.56		Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1					Y	Y			No
10.56	50.056	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1							w		Yes
10.57	10.57		Project scheduling and open issues: Mobile Station Execution Environment (MExE)					w	w			Yes
10.59	10.59		Project scheduling and open issues for EDGE						Y			No
10.59	50.059	10.59	Project scheduling and open issues for EDGE							Y		No
10.60	10.60		General Packet Radio Services (GPRS); Project Scheduling and Open Issues			w	w					No
10.66	10.66		Support of Mobile Number Portability (MNP); Project plan			w						No
10.68	10.68		Introduction to the services: enhanced Multi-Level Precedence and Pre-emption (eMLPP), Voice Group Call Service (VGCS), Voice Broadcast Service (VBS)			w						Yes
10.70	10.70		GSM Adaptive Multi-Rate Speech Codec (AMR); Project schedule and open issues for AMR					Y				No
10.71	10.71		Project scheduling and open issues: Location services (LCS)					w				No
10.76	10.76		Noise suppression for the AMR codec; Project scheduling and open issues						Y			No
10.78	10.78		Project scheduling and open issues: CAMEL					w				Yes
10.87	10.87		User to User Signalling (UUS)					w				Yes
10.89	10.89		GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;						Y			No
10.89	50.089	10.89	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;							w		No
10.94	10.94		Follow Me supplementary service					w				Yes
10.99	10.99		GERAN project plan and open issues									Yes
10.99	50.099	10.99	GERAN project plan and open issues							Y		No
11.00	31.900		SIM/USIM internal and external interworking aspects						Y			No
11.01	11.01		Mobile station type approval procedure principles (Candidate NET 10 part 1)	w								Yes
11.01	31.101	11.01	UICC-terminal interface; Physical and logical characteristics						Y	Y		No
11.02	31.102		Characteristics of the USIM Application						Y	Y		No
11.10	11.10		Mobile Station Conformity Specification	Y								No
11.10	31.110	11.10	Numbering system for telecommunication IC card applications						Y	Y		No
11.10-1	11.10-1		Mobile station (MS) conformance specification; Part1: Conformance specification		Y	Y	Y	Y	Y			No
11.10-1	51.010-1	11.10-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification							Y		No
11.10-2	11.10-2		Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification		Y				w			No
11.10-2	51.010-2	11.10-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification							Y		No
11.10-3	11.10-3		Mobile Station (MS) Conformance Specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)		Y	Y			w			No
11.10-3	51.010-3	11.10-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)							Y		No
11.10-4	11.10-4		Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification			Y			w			No

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11.10-4	51.010-4	11.10-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification							Y		No
11.11	11.11		Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	Y	Y	Y	Y	Y	Y			No
11.11	31.111	11.11	USIM Application Toolkit (USAT)						Y	Y		No
11.11	51.011	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface							Y		No
11.12	11.12		Specification on the 3 Volt subscriber identity module Equipment (SIM-ME) Interface		Y	w						No
11.12	31.112	11.12	USAT Interpreter Architecture Description; Stage 2							Y		No
11.13	11.13		Test specification for SIM API for Java card					Y				No
11.13	31.113	11.13	USAT interpreter byte codes							Y		No
11.13	51.013	11.13	Test specification for SIM API for Java card							Y		No
11.14	11.14		Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface			Y	Y	Y	Y			No
11.14	31.114	11.14	USAT interpreter protocol and administration								Y	No
11.14	51.014	11.14	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit							w		Yes
11.16	11.16		Conformity Specifications for Transparent Facsimile Group 3 Adaptors		w							Yes
11.17	11.17		SIM test specification					Y	w			No
11.18	11.18		Specification of the 1.8 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface					Y	w			No
11.19	11.19		CTS SIM Fixed Part					Y				No
11.20	11.20		GSM DCS 1800 Base Station Specification	w								No
11.20	11.20		GSM DCS 1800 Base Station Specification	Y								No
11.20	31.120	11.20	UICC-terminal interface; Physical, electrical and logical test specification						Y	Y		Yes
11.21	11.21		Base Station System (BSS) equipment specification; Radio aspects		Y	Y	w	Y	Y			No
11.21	31.121	11.21	UICC-terminal interface; USIM application test specification						Y	Y		No
11.21	51.021	11.21	GSM radio aspects base station system equipment specification							Y		No
11.22	11.22		GSM Base Station and Ancillary Equipment, Physical and Electrical Parameters, Application of Standards and Guidance Notes		Y							No
11.22	31.122	11.22	USIM conformance test specification						Y	Y		No
11.23	11.23		GSM Signalling Aspects Base Station System equipment Specification		Y							No
11.24	11.24		GSM Transcoding and Rate Adaptation: Base Station System Equipment Specification		Y							No
11.25	11.25		The GSM Base Station System (BSS) Equipment specification Half-rate speech		w							Yes
11.26	11.26		GSM Repeater Equipment Specification		Y	Y			Y			No
11.26	51.026	11.26	GSM Repeater Equipment Specification							Y		No
11.30	11.30		Mobile Services Switching Centre	Y								No
11.31	11.31		Home Location Register Specification	Y								No
11.32	11.32		Visitor Location Register Specification	Y								No
11.40	11.40		DCS 1800 System Simulator Conformity Specification	Y								No
11.56	11.56		CTS phase 1, CTS Fixed Part Tests				w					Yes
12.00	12.00		Objectives and Structure of GSM Public Land Mobile Network (PLMN) Management		Y							No
12.00	32.200		Telecommunication management; Charging management; Charging principles							Y		No
12.00	32.300		Telecommunication Management; Configuration Management; Part 8: Name convention for Managed Objects							Y		No
12.00	32.600		Telecommunication Management; Configuration Management; 3G configuration management; Concept and main requirements							Y		No
12.00	32.800		Management level procedures and interaction with UTRAN							Y		No
12.01	12.01		Common Aspects of Public Land Mobile Network (PLMN) Management		Y							No
12.01	32.101	12.01	3G Telecom Management principles and high level requirements						Y	Y		No

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12.01	<b>32.401</b>		Telecommunication management; Performance Management (PM); Concept and requirements							Y		No
12.01	<b>32.601</b>		Telecommunication Management; Configuration Management; Basic CM IRP: requirements							Y		No
12.01	<b>32.801</b>		Performance management								w	Yes
12.01-1	<b>32.301-1</b>		Telecommunication Management; Configuration Management; Notification IRP: requirements							w		Yes
12.01-1	<b>32.601-1</b>		Telecommunication Management; Configuration Management; Part 1: Basic CM IRP: requirements							w		Yes
12.01-2	<b>32.301-2</b>		Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1							w		Yes
12.01-2	<b>32.601-2</b>		Telecommunication Management; Configuration Management; Part 2: Basic configuration management IRP information model							w		Yes
12.01-3	<b>32.301-3</b>		Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1							w		Yes
12.01-3	<b>32.601-3</b>		Telecommunication Management; Configuration Management; Part 3: Basic configuration management IRP: CORBA solution set							w		Yes
12.01-4	<b>32.301-4</b>		Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1							w		Yes
12.01-4	<b>32.601-4</b>		Telecommunication Management; Configuration Management; Part 4: Basic configuration management IRP CMIP solution set							w		Yes
12.02	<b>12.02</b>		Subscriber, Mobile Equipment (ME) and Services Data Administration		Y	Y						No
12.02	<b>32.102</b>	12.02	3G Telecom Management Architecture						Y	Y		No
12.02	<b>32.302</b>		Telecommunication Management; Configuration Management; Notification Integration Reference Point; Information Service version 1							Y		No
12.02	<b>32.402</b>		Telecommunication management; Performance Management (PM); Performance measurements - GSM							Y		No
12.02	<b>32.602</b>		Telecommunication Management; Configuration Management; Basic configuration management IRP information model							Y		No
12.02-1	<b>32.602-1</b>		Telecommunication management; Configuration management; 3G configuration management: Bulk CM IRP requirements							w		Yes
12.02-2	<b>32.602-2</b>		Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service							w		Yes
12.02-3	<b>32.602-3</b>		Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set							w		Yes
12.02-4	<b>32.602-4</b>		Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set							w		Yes
12.02-5	<b>32.602-5</b>		Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition							w		Yes
12.03	<b>12.03</b>		Security Management		Y			Y	Y			No
12.03	<b>32.303</b>		Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1							Y		No
12.03	<b>32.403</b>		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM							Y		No
12.03	<b>32.603</b>		Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set							Y		No
12.04	<b>12.04</b>		Performance Management and Measurements for a GSM Public Land Mobile Network (PLMN)		Y			Y	Y			No
12.04	<b>32.104</b>	12.04	3G Performance Management						Y	w		No

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12.04	32.304		Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1							Y		No
12.04	32.604		Telecommunication Management; Configuration Management; Basic configuration management IRP CMIP solution set							Y		No
12.05	12.05		Subscriber Related Call and Event Data		Y	Y	Y	Y				No
12.05	32.005	12.05	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain						Y			No
12.05	32.105	12.05	3G charging and billing; Stage 2 description							w		Yes
12.05	32.205		3G charging data description for the CS domain							Y		No
12.06	12.06		Network Configuration Management and Administration		Y							No
12.06	32.106	12.06	3G Configuration Management							w		Yes
12.06-1	32.106-1		Telecommunication Management; Configuration Management; Part 1: 3G configuration management; Concept and requirements						Y	w		No
12.06-2	32.106-2		Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1						Y	w		No
12.06-3	32.106-3		Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1						Y	w		No
12.06-4	32.106-4		Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1						Y	w		No
12.06-5	32.106-5		Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1						Y	w		No
12.06-6	32.106-6		Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1						Y	w		No
12.06-7	32.106-7		Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1						Y	w		No
12.06-8	32.106-8		Telecommunication Management; Configuration Management; Part 8: Name convention for Managed Objects						Y	w		No
12.07	12.07		Public Land Mobile Network (PLMN) Quality of Service	w								No
12.08	12.08		Subscriber and Equipment trace		Y	Y						No
12.08	32.008	12.08	Subscriber and Equipment trace						w			Yes
12.10	12.10		Maintenance Provisions for Operational Integrity of MSs	Y								No
12.11	12.11		Fault management of the Base Station System (BSS)		Y		Y					No
12.11	32.111	12.11	3G Fault Management						w	Y		Yes
12.11	32.311		Telecommunication management; Generic IRP management; Requirements							Y		No
12.11	32.611		Telecommunication management; Configuration management; 3G configuration management: Bulk CM IRP requirements							Y		No
12.11-1	32.111-1		Telecommunication Management; Fault Management; Part 1: 3G fault management requirements						Y	Y		No
12.11-2	32.111-2		Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service						Y	Y		No
12.11-3	32.111-3		Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1						Y	Y		No
12.11-4	32.111-4		Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set						Y	Y		No
12.12	32.112		Telecommunication Management; Fault Management; Alarm Integration Reference Point: Information Service								Y	No
12.12	32.312		Telecommunication management; Generic IRP management; Information service							Y		No

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12.12	<b>32.612</b>		Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service							Y		No
12.12-1	<b>32.112-1</b>		Telecommunication management; Generic IRP management; Part 1: Requirements							w		Yes
12.12-2	<b>32.112-2</b>		Telecommunication management; Generic IRP management; Part 2: Information service							w		Yes
12.13	<b>12.13</b>		Maintenance of the Mobile-services Switching Centre	Y								No
12.13	<b>32.113</b>	12.13	Telecommunication Management; Fault Management; Alarm Integration Reference Point: CORBA solution set version 1:1								Y	No
12.13	<b>32.613</b>		Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set							Y		No
12.14	<b>12.14</b>		Maintenance of Location Registers	Y								No
12.14	<b>32.114</b>	12.14	Telecommunication Management; Fault Management; Alarm Integration Reference Point: CMIP solution set								Y	No
12.14	<b>32.614</b>		Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set							Y		No
12.15	<b>12.15</b>		General Packet Radio Service (GPRS); GPRS Charging				Y	Y				No
12.15	<b>32.015</b>	12.15	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain						Y			No
12.15	<b>32.215</b>		3G Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain							Y		No
12.15	<b>32.615</b>		Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition							Y		No
12.20	<b>12.20</b>		Base Station System (BSS) Management Information		Y							No
12.20-1	<b>32.620-1</b>		Telecommunication Management; Configuration Management; Part 1: Generic network resources IRP: requirements							w		Yes
12.20-2	<b>32.620-2</b>		Telecommunication Management; Configuration Management; Part 2: Generic network resources IRP: NRM							w		Yes
12.20-3	<b>32.620-3</b>		Telecommunication Management; Configuration Management; Part 3: Generic network resources IRP: CORBA solution set							w		Yes
12.20-4	<b>32.620-4</b>		Telecommunication Management; Configuration Management; Part 4: Generic network resources: IRP CMIP solution set							w		Yes
12.21	<b>12.21</b>		Network Management (NM) Procedures and Messages on the A-bis Interface		Y	Y						No
12.21	<b>32.621</b>		Telecommunication Management; Configuration Management; Generic network resources IRP: requirements							Y		No
12.21-1	<b>32.621-1</b>		Telecommunication Management; Configuration Management; Part 1: Core network resources IRP: requirements							w		Yes
12.21-2	<b>32.621-2</b>		Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM							w		Yes
12.21-3	<b>32.621-3</b>		Telecommunication Management; Configuration Management; Part 3: Core network resources IRP: CORBA solution set							w		Yes
12.21-4	<b>32.621-4</b>		Telecommunication Management; Configuration Management; Part 4: Core network resources IRP: CMIP solution set							w		Yes
12.22	<b>12.22</b>		Interworking of GSM Network Management (NM) Procedures and Messages at the Base Station Controller (BSC)		Y							No
12.22	<b>32.622</b>		Telecommunication Management; Configuration Management; Generic network resources IRP: NRM							Y		No

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12.22-1	<b>32.622-1</b>		Telecommunication Management; Configuration Management; Part 1: UTRAN network resources IRP: requirements							w		Yes
12.22-2	<b>32.622-2</b>		Telecommunication Management; Configuration Management; Part 2: UTRAN network resources IRP: NRM							w		Yes
12.22-3	<b>32.622-3</b>		Telecommunication Management; Configuration Management; Part 3: UTRAN network resources IRP: CORBA solution set							w		Yes
12.22-4	<b>32.622-4</b>		Telecommunication Management; Configuration Management; Part 4: UTRAN network resources IRP: CMIP solution set							w		Yes
12.23	<b>32.623</b>		Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set							Y		No
12.23-1	<b>32.623-1</b>		Telecommunication Management; Configuration Management; Part 1: GERAN network resources IRP: requirements							w		Yes
12.23-2	<b>32.623-2</b>		Telecommunication Management; Configuration Management; Part 2: GERAN network resources IRP: NRM							w		Yes
12.23-3	<b>32.623-3</b>		Telecommunication Management; Configuration Management; Part 3: GERAN network resources IRP: CORBA solution set							w		Yes
12.23-4	<b>32.623-4</b>		Telecommunication Management; Configuration Management; Part 4: GERAN network resources IRP: CMIP solution set							w		Yes
12.24	<b>32.624</b>		Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set							Y		No
12.25	<b>32.225</b>		Telecom management; Charging management; Charging data description for the IMS domain								Y	No
12.30	<b>12.30</b>		ETSI Object Identifier Tree; Mobile Domain O&M		Y							No
12.31	<b>32.631</b>		Telecommunication Management; Configuration Management; Core network resources IRP: requirements							Y		No
12.32	<b>32.632</b>		Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM							Y		No
12.33	<b>32.633</b>		Telecommunication Management; Configuration Management; Core network resources IRP: CORBA solution set							Y		No
12.34	<b>32.634</b>		Telecommunication Management; Configuration Management; Core network resources IRP: CMIP solution set							Y		No
12.35	<b>32.235</b>		Telecommunication management; Charging management; Charging data description for application services							Y		No
12.40	<b>32.140</b>		3G Service Management Requirements & Framework							w	Y	No
12.41	<b>32.641</b>		Telecommunication Management; Configuration Management; UTRAN network resources IRP: requirements							Y		No
12.42	<b>32.642</b>		Telecommunication Management; Configuration Management; UTRAN network resources IRP: NRM							Y		No
12.43	<b>32.643</b>		Telecommunication Management; Configuration Management; UTRAN network resources IRP: CORBA solution set							Y		No
12.44	<b>32.644</b>		Telecommunication Management; Configuration Management; UTRAN network resources IRP: CMIP solution set							Y		No
12.51	<b>32.651</b>		Telecommunication Management; Configuration Management; GERAN network resources IRP: requirements							Y		No
12.52	<b>32.652</b>		Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM							Y		No
12.53	<b>32.653</b>		Telecommunication Management; Configuration Management; GERAN network resources IRP: CORBA solution set							Y		No
12.54	<b>32.654</b>		Telecommunication Management; Configuration Management; GERAN network resources IRP: CMIP solution set							Y		No

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12.71	52.071	12.71	Location Services (LCS); Location services management							Y		No
13.00	33.200		Network Domain Security - MAP							Y		No
13.00	33.800		Principles for Network Domain Security							Y	Y	No
13.00	33.900		Guide to 3G security						w	w	Y	No
13.01	13.01		Attachment requirements for Global System for Mobile communications (GSM); Part 1: Mobile stations in the GSM 900 and DCS 1 800 bands; Access		Y							No
13.01	33.201		Access domain security								Y	No
13.01	33.901		Criteria for cryptographic Algorithm design process					Y	Y			No
13.01-1	13.01-1		Attachment requirements for Global System for Mobile communications (GSM) mobile stations; Access		Y							No
13.01-2	13.01-2		Attachment requirements for mobile stations in the DCS 1800 band and additional GSM 900 band; Access		Y							No
13.02	13.02		Attachment requirements for mobile stations in the DCS 1800 band and additional GSM 900 band; Access		Y							No
13.02	33.102	13.02	3G security; Security architecture						Y	Y		No
13.02	33.902		Formal Analysis of the 3G Authentication Protocol						Y	Y		No
13.02-1	13.02-1		Attachment requirements; Telephony		w							Yes
13.02-2	13.02-2		Attachment requirements (CDCS 1800); Telephony		w							Yes
13.03	33.103		Security Integration Guidelines						Y	Y		No
13.03	33.203		Access Security for IP based services								Y	No
13.03	33.903		Access Security for IP based services							Y	Y	No
13.04	33.904		Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms							Y		No
13.05	33.105		Cryptographic Algorithm requirements						Y	Y		No
13.06	33.106		Lawful interception requirements						Y	Y	Y	No
13.07	33.107		Lawful interception architecture and functions						Y	Y	Y	No
13.08	33.108		Lawful Interception; Interface between core network and law agency equipment								Y	No
13.08	33.908		3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms						Y	Y		No
13.09	33.909		3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions						Y	Y		No
13.10	33.210		Network Domain Security - IP								Y	No
13.11	13.11		Mobiles stations in the GSM 900 and DCS 1800 bands covering essential requirements under article 3.2 of the R&TTE Directive					Y				No
13.20	33.120		Security Objectives and Principles						Y	Y		No
13.21	13.21		Base station systems and repeater equipment covering essential requirements under article 3.2 of the R&TTE directive					Y	Y			No
13.34	13.34		Attachment requirements for Global System for Mobile communications (GSM); High Speed Circuit Switched Data (HSCSD) Multislot Mobile Stations; Access			Y						No
13.55	13.55		Attachment requirements for Cordless Telephony System Fixed Part (CTS-FP); Access			w						Yes
13.56	13.56		Cordless Telephony System Mobile Stations (CTS-MS); Access			w						No
13.57	13.57		unknown			w						Yes
13.59	13.59		Enhanced Data rates for GSM Evolution (EDGE) Mobile Stations; Access			w						Yes
13.60	13.60		Attachment requirements for Global System for Mobile communications (GSM); General Packet Radio Service (GPRS); Mobile stations; Access			w						Yes
13.67	13.67		Attachment requirements for Global System for Mobile communications (GSM); Railways Band (R-GSM); Mobile Stations; Access			Y						No

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14.07	<b>34.907</b>		Report on electrical safety requirements and regulations						Y			No
14.08	<b>34.108</b>		Common Test Environments for User Equipment (UE) Conformance Testing						Y	Y		No
14.09	<b>34.109</b>		Logical Test Interface (TDD and FDD)						Y	Y		No
14.10	<b>34.910</b>		Conformance Test specifications – Relevant for Regulatory use							Y		No
14.21	<b>34.121</b>		Terminal Conformance Specification, Radio Transmission and Reception (FDD)						Y	Y		No
14.22	<b>34.122</b>		Terminal Conformance Specification, Radio Transmission and Reception (TDD)						Y	Y		No
14.23-1	<b>34.123-1</b>		UE conformance specification; Part 1: Conformance specification						Y	Y		No
14.23-2	<b>34.123-2</b>		UE conformance specification; Part 2: Implementation conformance statement (ICS)						Y	Y		No
14.23-3	<b>34.123-3</b>		UE conformance specification; Part 3: Abstract test suites (ATs)						Y	Y		No
14.24	<b>34.124</b>		Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment						Y	Y		No
14.25	<b>34.925</b>		Specific Absorption Rate (SAR) requirements and regulations in different regions						Y			No
14.26	<b>34.926</b>		Table of international EMC requirements							Y		No
15.01	<b>35.201</b>		Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications						Y	Y		No
15.02	<b>35.202</b>		Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification						Y	Y		No
15.03	<b>35.203</b>		Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data						Y	Y		No
15.04	<b>35.204</b>		Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data						Y	Y		No
15.05	<b>35.205</b>		3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General						w	Y		No
15.06	<b>35.206</b>		3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification						w	Y		No
15.07	<b>35.207</b>		3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data						w	Y		No
15.08	<b>35.208</b>		3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data						w	Y		No
15.09	<b>35.209</b>		3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation						w			Yes
15.09	<b>35.909</b>		3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation							Y		No