ETSI Rules of Procedure, 3 April 2019

IPR INFORMATION STATEMENT AND LICENSING DECLARATION

IPR HOLDER / ORGANISATION ("Declarant")

Legal Name: ZTE Corporation

CONTACT DETAILS FOR LICENSING INFORMATION:

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IPR INFORMATION STATEMENT

In accordance with Clause 4.1 of the ETSI IPR Policy the Declarant and/or its AFFILIATES hereby informs ETSI that it is the Declarant's and/or its AFFILIATES' present belief that the IPR(s) disclosed in the attached *IPR Information Statement Annex* may be or may become ESSENTIAL in relation to at least the ETSI Work Item(s), STANDARD(S) and/or TECHNICAL SPECIFICATION(S) identified in the attached *IPR Information Statement Annex*.

The Declarant and/or its AFFILIATES ***(check one box only):***

☑ are the proprietor of the IPR(s) disclosed in the attached *IPR Information Statement Annex*.

☐ are not the proprietor of the IPR(s) disclosed in the attached *IPR Information Statement Annex*.

IPR LICENSING DECLARATION

In accordance with Clause 6.1 of the ETSI IPR Policy the Declarant and/or its AFFILIATES hereby irrevocably declares the following ***(check one box only, and subordinate box, where applicable):***

☑ To the extent that the IPR(s) disclosed in the attached *IPR Information Statement Annex* are or become, and remain ESSENTIAL in respect of the ETSI Work Item, STANDARD and/or TECHNICAL SPECIFICATION identified in the attached *IPR Information Statement Annex*, the Declarant and/or its AFFILIATES are (1) prepared to grant irrevocable licences under this/these IPR(s) on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy; and (2) will comply with Clause 6.1 bis of the ETSI IPR Policy.

☑ This irrevocable undertaking is made subject to the condition that those who seek licences agree to reciprocate ***(check box if applicable):***

☐ The Declarant and/or its AFFILIATES are not prepared to make the above IPR Licensing Declaration (reasons may be explained in writing in the attached *IPR Licensing Declaration Annex*).

The construction, validity and performance of this IPR information statement and licensing declaration shall be governed by the laws of France.
Terms in ALL CAPS on this form have the meaning provided in Clause 15 of the ETSI IPR Policy.

SIGNATURE

By signing this IPR Information Statement and Licensing Declaration form, you represent that you have the authority to bind the Declarant and/or its AFFILIATES to the representations and commitments provided in this form.

Name of authorized person:	Dr. Mang Zhu
Title of authorized person:	Chief IP Strategy Officer
Place, Date:	Shenzhen, 15/11/2019

Please return this form duly signed to: ETSI Director-General
ETSI - 650, route des Lucioles - F-06921 Sophia Antipolis Cedex – France / Fax. +33 (0) 4 93 65 47 16

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IPR Information Statement Annex

STANDARD, TECHNICAL SPECIFICATION or ETSI Work Item					Proprietor	Application No.	Publication No.	Patent/ApplicationTitle	Country of registration	FURTHER INFORMATION Other members of this PATENT FAMILY, if any *		
Disclosure Number	Project or Standard name	Work Item or Standard No.	Illustrative Specific part of the standard (e.g. Section)	Version (V.X.X.X)						Application No.	Publication No.	Country of registration
1	LTE Advanced Pro/5G	TS 123 203 TS 23.203		15.4.0 15.4.0	ZTE CORP [CN]	CN200710182241	CN101141412 B	Method for establishing dedicated bearing for subscriber terminal	CHINA			
2	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE COMM CO LTD [CN]	CN200710126070	CN101188861 B	Switching method inside the system	CHINA			
3	LTE Advanced Pro/5G	TS 133 401 TS 33.401		15.7.0 15.7.0	ZTE CORP [CN]	CN200810066591	CN101267668 A	Secret key generation method, device and system	CHINA			
4	LTE Advanced Pro/5G	TS 129 274 TS 29.274		15.7.0 15.7.0	ZTE CORP	CN200810094767	CN101282511 B	Bearing processing method	CHINA			
5	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP	CN200810008594	CN101448249 B	Method for releasing data cached in serving gateway	CHINA			
6	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP [CN]	CN200810087760	CN101459907 B	Method for indicating service gateway bearing management	CHINA			
7	LTE Advanced Pro/5G	TS 123 237 TS 23.237		15.1.0 15.1.0	ZTE CORP	CN200810141850	CN101668273 B	Emergency service switching method	CHINA			
8	LTE Advanced Pro/5G	TS 133 401 TS 33.401		15.7.0 15.7.0	ZTE CORP	CN200910083358	CN101883346 B	Safe consultation method and device based on emergency call	CHINA			
9	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP	CN200910163155	CN101998332 B	Method and system for paging emergent service users	CHINA			
10	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP	CN200910168865	CN101998590 B	User reachable realization method and multimode terminal	CHINA			
11	LTE Advanced Pro/5G	TS 123 237 TS 23.237		15.1.0 15.1.0	ZTE CORP	CN200910178354	CN102056255 B	Session switching implementation method and system	CHINA			
12	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP	CN201010000816	CN102123374 A	Method and system for realizing termination domain selection	CHINA			
13	LTE Advanced Pro/5G	TS 129 212 TS 29.212		15.6.0 15.6.0	ZTE Corporation	CN201210178002	CN103313431 B	TDF (Traffic Detection Function) processing method and PCRF (Policy and Charging Rules Function)	CHINA			
14	LTE Advanced Pro/5G	TS 129 212 TS 29.212		15.6.0 15.6.0	ZTE CORP [CN]	CN200810100442	CN101286915 B	Access control method of packet data network, system thereof and PCRF entity	CHINA			
15	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP	CN200810004410	CN101222765 B	Control method, system and device for circuit field fall-back	CHINA			
16	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP [CN]	CN200610011286	CN100488170 C	Update method of route trigger area in the packet wireless system	CHINA			

17	LTE Advanced Pro/5G	TS 123 216 TS 23.216		15.2.0 15.2.0	ZTE CORP [CN]	CN200810086134	CN101227677 B	Single wireless channel voice business continuity field switching method	CHINA			
18	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP	CN200910139158	CN101841793 B	Method and system for logging off emergency call user	CHINA			
19	LTE Advanced Pro/5G	TS 129 215 TS 29.215		15.1.0 15.1.0	ZTE CORP	CN200910158597	CN101959257 B	Method for reselecting bear binding and event report function	CHINA			
20	LTE Advanced Pro/5G	TS 129 215 TS 29.215		15.1.0 15.1.0	ZTE CORP	CN200910152094	CN101969632 B	Implementation method of policy charging control in roaming scene	CHINA			
21	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP [CN]	CN200810127564	CN101459905 A	ISR deactivation method, ISR deactivation indicating apparatus	CHINA			
22	LTE Advanced Pro/5G	TS 133 401 TS 33.401		15.7.0 15.7.0	ZTE CORP	CN201410621450	CN105611533 A	Message integrity check MIC inspection method and MIC inspection device	CHINA			
23	LTE Advanced Pro/5G	TS 123 401 TS 136 413 TS 23.401 TS 36.413		15.7.0 15.5.0 15.7.0 15.5.0	ZTE COMM CO LTD [CN]	CN200710130406	CN101188862 B	A routing method in wireless network	CHINA			
24	LTE Advanced Pro/5G	TS 123 401 TS 136 413 TS 23.401 TS 36.413		15.7.0 15.5.0 15.7.0 15.5.0	ZTE CORP [CN]	CN200710130407	CN101257707 B	Routing method when mobile terminal activating service in wireless network	CHINA			
25	LTE Advanced Pro/5G	TS 129 213 TS 129 212 TS 29.213 TS 29.212		15.5.0 15.6.0 15.5.0 15.6.0	ZTE CORP [CN]	CN20081091055	CN101448283 B	Method for triggering session termination and realizing method and system thereof	CHINA			
26	LTE Advanced Pro/5G	TS 124 301 TS 124 008 TS 24.008 TS 24.301		15.6.0 15.6.0 15.6.0 15.6.0	ZTE CORP	CN20091089978	CN101990192 A	Notification method and device for local IP access connection property	CHINA			
27	LTE Advanced Pro/5G	TS 123 060 TS 123 401 TS 23.060 TS 23.401		15.5.0 15.7.0 15.5.0 15.7.0	ZTE CORP	CN20091090781	CN101990313 A	Method, informing method and system for realizing local IP access control	CHINA			
28	LTE Advanced Pro/5G	TS 123 203 TS 129 212 TS 23.203 TS 29.212		15.4.0 15.6.0 15.4.0 15.6.0	ZTE CORP	CN200910134979	CN101867909 B	Method and system for realizing limited policy charging control	CHINA			
29	LTE Advanced Pro/5G	TS 123 292 TS 23.292		15.0.0 15.0.0	ZTE CORP [CN]	CN200710128961		Method for implementing user determined user busy forward shifting	CHINA			
30	LTE Advanced Pro/5G	TS 123 292 TS 23.292		15.0.0 15.0.0	ZTE CORP [CN]	CN200710162956		Call late forwarding method in IP multimedia subsystem centralized service	CHINA			
31	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE COMM CO LTD [CN]	CN200710145718		Notification method for enabling no-signaling mobile mechanism	CHINA			

32	LTE Advanced Pro/5G	TS 123 259 TS 23.259		15.0.0 15.0.0	ZTE CORP [CN]	CN200710129863		Method for access controlling UE to control UE outside an individual network to access UE inside the individual network	CHINA			
33	LTE Advanced Pro/5G	TS 123 402 TS 23.402		15.3.0 15.3.0	ZTE CORP [CN]	CN200810175944		Network switching implementation method, system thereof and mobile nodes	CHINA			
34	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP [CN]	CN200810168408		Circuit domain call implementing method and system	CHINA	US20090865952	US9380561 B2	UNITED STATES
35	LTE Advanced Pro/5G	TS 123 228 TS 23.228		15.4.0 15.4.0	ZTE CORP [CN]	CN200810149051		Media negotiation method for IP multimedia link	CHINA			
36	LTE Advanced Pro/5G	TS 129 212 TS 29.212		15.6.0 15.6.0	ZTE CORP [CN]	CN200810130758		Method for transmitting and installing event trigger	CHINA			
37	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP [CN]	CN200810130573		Method for realizing update of incidence relation and corresponding terminal	CHINA			
38	LTE Advanced Pro/5G	TS 129 213 TS 29.213		15.5.0 15.5.0	ZTE CORP	CN200810174169		Method for deleting session messages in DRA	CHINA			
39	LTE Advanced Pro/5G	TS 133 401 TS 33.401		15.7.0 15.7.0	ZTE CORP	CN200910261635		Management method and system of vent key	CHINA			
40	LTE Advanced Pro/5G	TS 129 214 TS 29.214		15.6.0 15.6.0	ZTE CORP	CN200910128691		Charging method and system for terminal access through multiple access networks and reporting method	CHINA			
41	LTE Advanced Pro/5G	TS 129 212 TS 29.212		15.6.0 15.6.0	ZTE CORP	CN200910129332		Correlation method and device of charging identifier	CHINA			
42	LTE Advanced Pro/5G	TS 123 237 TS 23.237		15.1.0 15.1.0	ZTE CORP	CN201010133008		Single-mode service continuity implementation method and single-mode service continuity system	CHINA			
43	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP	CN201010206691		Method and system for synchronizing user data	CHINA			
44	LTE Advanced Pro/5G	TS 123 228 TS 23.228		15.4.0 15.4.0	ZTE CORP	CN200910174825		Consultation method and system of IP multimedia subsystem (IMS) media coding/decoding device	CHINA			
45	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP	CN200910210957		Charging system and charging method thereof	CHINA			
46	LTE Advanced Pro/5G	TS 123 167 TS 23.167		15.4.0 15.4.0	ZTE CORP	CN20091093509		Method and system for realizing emergency location	CHINA			
47	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP	CN200910178822		State transition method and device	CHINA			
48	LTE Advanced Pro/5G	TS 123 203 TS 23.203		15.4.0 15.4.0	ZTE CORP	CN200910212378		Policy and charging control method and system based on time interval	CHINA			
49	LTE Advanced Pro/5G	TS 124 301 TS 24.301		15.6.0 15.6.0	ZTE CORP	CN200910206683		Multi-access processing method, home agent and user equipment	CHINA			

50	LTE Advanced Pro/5G	TS 123 401 TS 23.401		15.7.0 15.7.0	ZTE CORP	CN200910253703		Method and system for realizing local access	CHINA			
51	LTE Advanced Pro/5G	TS 123 682 TS 23.682		15.8.0 15.8.0	ZTE CORP	CN20101002395		Access realization method and device of M2M (Machine to Machine) core network	CHINA			
52	LTE Advanced Pro/5G	TS 123 228 TS 23.228		15.4.0 15.4.0	ZTE CORP	CN201010120055		Method and device for processing SDP (Session Description Protocol) request in media path optimizing process	CHINA			
53	LTE Advanced Pro/5G	TS 123 237 TS 23.237		15.1.0 15.1.0	ZTE CORP	CN201010157038		Method and system for realizing rSRVCC (reverse signal radio voice call continuity)	CHINA			
54	LTE Advanced Pro/5G	TS 123 237 TS 23.237		15.1.0 15.1.0	ZTE CORP	CN201010146449		Method and system for realizing session keep-alive of single radio voice call continuity	CHINA			
55	LTE Advanced Pro/5G	TS 123 402 TS 23.402		15.3.0 15.3.0	ZTE CORP	CN201010227613		Method and system for reporting access information of fixed network	CHINA			
56	LTE Advanced Pro/5G	TS 123 402 TS 23.402		15.3.0 15.3.0	ZHONGXING TELECOM EQUIP CORP	CN201010219916		System and method for performing quality of service control on user equipment	CHINA			
57	LTE Advanced Pro/5G	TS 123 402 TS 23.402		15.3.0 15.3.0	ZHONGXING TELECOM EQUIP CORP	CN201010223783		Information transmission method and system	CHINA			
58	LTE Advanced Pro/5G	TS 129 215 TS 29.215		15.1.0 15.1.0	ZTE CORP	CN20111082110		Session establishing method and system	CHINA			
59	LTE Advanced Pro/5G	TS 123 228 TS 23.228		15.4.0 15.4.0	ZTE CORP	CN201010267136		Terminal, HSS (Home Subscriber Server), and method and system for network element of core network to learn terminal capacity	CHINA			
60	LTE Advanced Pro/5G	TS 123 139 TS 23.139		15.0.0 15.0.0	ZTE CORP	CN201010506648		Policy control method and system for realizing BBF (Broadband Forum) access	CHINA			
61	LTE Advanced Pro/5G	TS 123 237 TS 23.237		15.1.0 15.1.0	ZTE CORP	CN201010297853		Method and system for switching users in IMS (IP Multimedia Subsystem) to a packet switch domain from a circuit switch domain	CHINA			
62	LTE Advanced Pro/5G	TS 129 215 TS 29.215		15.1.0 15.1.0	ZTE CORP	CN201010534700		Policy charging control method and system for supporting internet protocol (IP) flow mobility in roaming scene	CHINA			
63	LTE Advanced Pro/5G	TS 129 212 TS 29.212		15.6.0 15.6.0	ZTE CORP	CN201110118972		Method and system for realizing application detection and control of dual-stack supporting IP-CAN (internet protocol-controller area network) session	CHINA			

64	LTE Advanced Pro/5G	TS 123 402 TS 23.402		15.3.0 15.3.0	ZTE CORP	CN20121004672		Method and system for accessing core network through non-third generation partnership project (non-3GPP)	CHINA			
65	LTE Advanced Pro/5G	TS 123 203 TS 23.203		15.4.0 15.4.0	ZTE CORP	CN201110202540		Business data stream processing method and device	CHINA			
66	LTE Advanced Pro/5G	TS 129 274 TS 29.274		15.7.0 15.7.0	ZTE CORP	CN201110205561		Method and system capable realizing IP (Internet Protocol) address attribute notification	CHINA			
67	LTE Advanced Pro/5G	TS 123 402 TS 23.402		15.3.0 15.3.0	ZTE CORP	CN201110285554		Trusted non-3GPP (3rd-Generation Partnership Project) access network element, method for accessing mobile network and detaching method	CHINA			
68	LTE Advanced Pro/5G	TS 123 682 TS 23.682		15.8.0 15.8.0	ZTE CORP	CN20111024174		Terminal state obtaining method as well as method and system for activating terminal	CHINA			
69	LTE Advanced Pro/5G	TS 124 301 TS 24.301		15.6.0 15.6.0	ZTE CORP	CN200910150257		Multi-access method of terminal in evolved packet system and system thereof	CHINA			
70	LTE Advanced Pro/5G	TS 133 401 TS 33.401		15.7.0 15.7.0	ZTE CORP	CN20101002260		Updating method and updating system of air interface key	CHINA			
71	LTE Advanced Pro/5G	TS 123 203 TS 23.203		15.4.0 15.4.0	ZTE CORP	CN20111008179		Strategy control method and system	CHINA			
72	LTE Advanced Pro/5G	TS 133 401 TS 33.401		15.7.0 15.7.0	ZTE CORP [CN]	CN200810100472		Method and system for generating cryptographic-key identification identifier when transferring user equipment	CHINA			
73	LTE Advanced Pro/5G	TS 123 203 TS 23.203		15.4.0 15.4.0	ZTE CORP	CN201210387157		Session setup method, device and system	CHINA			
74	LTE Advanced Pro/5G	TS 123 303 TS 23.303		15.1.0 15.1.0	ZTE CORP	CN20131090160		Terminal registration method, terminal finding method, terminal and devices	CHINA			
75	LTE Advanced Pro/5G	TS 129 201 TS 29.201		15.0.0 15.0.0	ZTE CORP	CN201410301186		Session management method, AF (application function) entity, policy server and PC (protocol converter)	CHINA	US201415506945	US10225151 B2	UNITED STATES
76	LTE Advanced Pro/5G	TS 129 214 TS 29.214		15.6.0 15.6.0	ZTE CORP	CN201310465535		Method and device for processing information of access network of user equipment (UE) and PCRF (policy and charging rules function)	CHINA			
77	LTE Advanced Pro/5G	TS 129 215 TS 29.215		15.1.0 15.1.0	ZTE CORP	CN201410111396		Method for application detection control under roaming scene and V-PCRF	CHINA			
78	LTE Advanced Pro/5G	TS 123 303 TS 23.303		15.1.0 15.1.0	ZTE CORP	CN201410718771		D2D service authorization method and device and home short-range communication server	CHINA	US201415322734	US10219309 B2	UNITED STATES

79	LTE Advanced Pro/5G	TS 123 303 TS 23.303		15.1.0 15.1.0	ZTE CORP	CN201410404016		Method, device and system for near distance communication discovery	CHINA			
80	LTE Advanced Pro/5G	TS 123 303 TS 23.303		15.1.0 15.1.0	ZTE CORP	CN201410727427		License update notification method and apparatus	CHINA			
81	LTE Advanced Pro/5G	TS 129 217 TS 29.217		15.0.0 15.0.0	ZTE CORP	CN20151039437		Management method and device of congestion information	CHINA			
82	LTE Advanced Pro/5G	TS 129 212 TS 29.212		15.6.0 15.6.0	ZTE CORP	CN20161021966		IP flow migration method, device and system	CHINA			
83	LTE Advanced Pro/5G	TS 123 292 TS 123 003 TS 23.003 TS 23.292		15.0.0 15.4.0 15.4.0 15.0.0	ZTE CORP [CN]	CN200710301670		Method for implementing centralized service chairman party conference service of IP multimedia subsystem	CHINA			
84	LTE Advanced Pro/5G	TS 129 213 TS 29.213		15.5.0 15.5.0	ZTE CORP [CN]	CN200710186139		Routing method for strategy charging control information in roaming scene	CHINA			
85	LTE Advanced Pro/5G	TS 123 402 TS 129 212 TS 23.402 TS 29.212		15.3.0 15.6.0 15.3.0 15.6.0	ZTE CORP	CN20091087378		Method and system for policy and charging control on single-APN multi-PDN connection under rambie scene	CHINA			
86	LTE Advanced Pro/5G	TS 123 402 TS 123 203 TS 23.402 TS 23.203		15.3.0 15.4.0 15.3.0 15.4.0	ZTE CORP	CN20121008947		Strategy control method and system in convergence network	CHINA			
87	LTE Advanced Pro/5G	TS 123 402 TS 123 203 TS 23.402 TS 23.203		15.3.0 15.4.0 15.3.0 15.4.0	ZTE CORP	CN201110108998		Bearing management method and system capable of supporting multi-access	CHINA			
88	LTE Advanced Pro/5G	TS 129 215 TS 123 203 TS 29.215 TS 23.203		15.1.0 15.4.0 15.1.0 15.4.0	ZTE CORP [CN]	CN200810212901		Method and device for marking session information	CHINA			
89	LTE Advanced Pro/5G	TS 129 215 TS 123 203 TS 29.215 TS 23.203		15.1.0 15.4.0 15.1.0 15.4.0	ZTE CORP	CN200910150199		Method for reselecting bearing binding and event report function	CHINA			
90	LTE Advanced Pro/5G	TS 129 212 TS 129 214 TS 29.212 TS 29.214		15.6.0 15.6.0 15.6.0 15.6.0	ZTE CORP	CN201410542895		Policy control processing method, device and system	CHINA			
91	LTE Advanced Pro/5G	TS 123 402 TS 123 203 TS 23.402 TS 23.203		15.3.0 15.4.0 15.3.0 15.4.0	ZTE CORP	CN20081000437		Selecting method of strategies under non-roaming scenery and the functional server of charging rules	CHINA			

92	LTE Advanced Pro/5G	TS 123 401 TS 123 682 TS 23.401 TS 23.682		15.7.0 15.8.0 15.7.0 15.8.0	ZTE CORP	CN20161033656		Method and system for establishing transmission channel, mobility management entity and network element device	CHINA			
93	LTE Advanced Pro/5G	TS 123 402 TS 23.402		15.3.0 15.3.0	ZTE CORP	CN201110230087		Information transmission method, packet data network gateway as well as policy and charging rules function	CHINA			

* Information on other members of a PATENT FAMILY is provided voluntarily (Clause 4.3 of the ETSI IPR Policy).