Annex A (informative): Change history

	Change history											
Date	TSG#	TSG Doc.	CR	Rev	Subject/Comment	Old	New					
2006-09					Draft version created		0.0.0					
2006-10					Endorsed by RAN1	0.0.0	0.1.0					
2007-01					Inclusion of decisions from RAN1#46bis and RAN1#47	0.1.0	0.1.1					
2007-01					Endorsed by RAN1	0.1.1	0.2.0					
2007-02					Inclusion of decisions from RAN1#47bis	0.2.0	0.2.1					
2007-02					Endorsed by RAN1	0.2.1	0.3.0					
2007-02					Editor's version including decisions from RAN1#48 &	0.3.0	0.3.1					
					RAN1#47bis							
2007-03					Updated Editor's version	0.3.1	0.3.2					
2007-03	RAN-35	RP-070171			For information at RAN#35	0.3.2	1.0.0					
2007-03					Random access text modified to better reflect RAN1 scope	1.0.0	1.0.1					
2007-03					Updated Editor's version	1.0.1	1.0.2					
2007-03					Endorsed by RAN1	1.0.2	1.1.0					
2007-05					Updated Editor's version	1.1.0	1.1.1					
2007-05					Updated Editor's version	1.1.1	1.1.2					
2007-05					Endorsed by RAN1	1.1.2	1.2.0					
2007-08					Updated Editor's version	1.2.0	1.2.1					
2007-08					Updated Editor's version – uplink power control from	1.2.1	1.2.2					
					RAN1#49bis							
2007-08					Endorsed by RAN1	1.2.2	1.3.0					
2007-09					Updated Editor's version reflecting RAN#50 decisions	1.3.0	1.3.1					
2007-09					Updated Editor's version reflecting comments	1.3.1	1.3.2					
2007-09					Updated Editor's version reflecting further comments	1.3.2	1.3.3					
2007-09					Updated Editor's version reflecting further comments	1.3.3	1.3.4					
2007-09					Updated Edtior's version reflecting further comments	1.3.4	1.3.5					
2007-09	RAN-37	RP-070731			Endorsed by RAN1	1.3.5	2.0.0					
2007-09	RAN-37	RP-070737			For approval at RAN#37	2.0.0	2.1.0					
12/09/07	RP-37	RP-070737	-	-	Approved version	2.1.0	8.0.0					
28/11/07	RP-38	RP-070949	0001	2	Update of 36.213	8.0.0	8.1.0					
05/03/08	RP-39	RP-080145	0002	-	Update of TS 36.213 according to changes listed in cover sheet	8.1.0	8.2.0					
28/05/08	RP-40	RP-080434	0003	1	PUCCH timing and other formatting and typo corrections	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0006	1	PUCCH power control for non-unicast information	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434		-	UE ACK/NACK Procedure	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0009	-	UL ACK/NACK timing for TDD	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0010	-	Specification of UL control channel assignment	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434		-	Precoding Matrix for 2Tx Open-loop SM	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0012	-	Clarifications on UE selected CQI reports	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0013	1	UL HARQ Operation and Timing	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0014	-	SRS power control	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0015	1	Correction of UE PUSCH frequency hopping procedure	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0017	4	Blind PDCCH decoding	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0019	1	Tx Mode vs DCI format is clarified	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434		-	Resource allocation for distributed VRB	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434		2	Power Headroom	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0022	-	Clarification for RI reporting in PUCCH and PUSCH reporting	8.2.0	8.3.0					
				<u></u>	modes							
28/05/08	RP-40	RP-080434	0025	-	Correction of the description of PUSCH power control for TDD	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434		-	UL ACK/NACK procedure for TDD	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0027	-	Indication of radio problem detection	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0028	-	Definition of Relative Narrowband TX Power Indicator	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0029	-	Calculation of $\Delta_{TF}(i)$ for UL-PC	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0030	-	CQI reference and set S definition, CQI mode removal, and Miscellanious	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0031	-	Modulation order and TBS determination for PDSCH and PUSCH	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434	0032	-	On Sounding RS	8.2.0	8.3.0					
28/05/08	RP-40	RP-080434		<u> </u>	Multiplexing of rank and CQI/PMI reports on PUCCH	8.2.0	8.3.0					
28/05/08	RP-40	RP-080466		-	Timing advance command responding time		_					
09/09/08	RP-40 RP-41	RP-080466	37	2	SRS hopping pattern for closed loop antenna selection	8.2.0 8.3.0	8.3.0 8.4.0					
09/09/08	RP-41	RP-080670	39	2	Clarification on uplink power control	8.3.0	8.4.0					
	1											
09/09/08	RP-41	RP-080670	41	-	Clarification on DCI formats using resource allocation type 2	8.3.0	8.4.0					

			1		Change history		
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
09/09/08	RP-41	RP-080670	43	2	Clarification on tree structure of CCE aggregations	8.3.0	8.4.0
09/09/08	RP-41	RP-080670		2	Correction of the description of PUCCH power control for TDD	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	47	1	Removal of CR0009	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	48	1	Correction of mapping of cyclic shift value to PHICH modifier	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	49	-	TBS disabling for DCI formats 2 and 2A	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	50	-	Correction of maximum TBS sizes	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	51	-	Completion of the table specifying the number of bits for the	8.3.0	8.4.0
09/09/08	RP-41	RP-080670			periodic feedback Clarification of RNTI for PUSCH/PUCCH power control with DCI	0.2.0	8.4.0
09/09/08	KP-41	KP-080670	54	-	formats 3/3A	0.3.0	6.4.0
09/09/08	RP-41	RP-080670	55	1	Clarification on mapping of Differential CQI fields	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	59	1	PUSCH Power Control	8.3.0	8.4.0
09/09/08	RP-41	RP-080670		'	RB restriction and modulation order for CQI-only transmission	8.3.0	8.4.0
00/00/00	101	141 000070	60	-	on PUSCH	0.0.0	0.4.0
09/09/08	RP-41	RP-080670	61	-	Modulation order determination for uplink retransmissions	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	62	2	Introducing missing L1 parameters into 36.213	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	63	2	Correcting the range and representation of delta_TF_PUCCH	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	64	1	Adjusting TBS sizes to for VoIP	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	67	-	Correction to the downlink resource allocation	8.3.0	8.4.0
09/09/08	RP-41	RP-080670			Removal of special handling for PUSCH mapping in PUCCH	8.3.0	8.4.0
		<u> </u>	68	-	region		<u> </u>
09/09/08	RP-41	RP-080670	69	-	Correction to the formulas for uplink power control	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	70	1	Definition of Bit Mapping for DCI Signalling	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	71	-	Clarification on PUSCH TPC commands	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	72	1	Reference for CQI/PMI Reporting Offset	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	74	-	Correction to the downlink/uplink timing	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	75	-	Correction to the time alignment command	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	77	1	Correction of offset signalling of UL Control information MCS	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	78	2	DCI format1C	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	80	_	Correction to Precoder Cycling for Open-loop Spatial	8.3.0	8.4.0
					Multiplexing		
09/09/08	RP-41	RP-080670	81	1	Clarifying Periodic CQI Reporting using PUCCH	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	84	1	CQI reference measurement period	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	86	-	Correction on downlink multi-user MIMO	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	87	-	PUCCH Reporting	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	88	1	Handling of Uplink Grant in Random Access Response	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	89	-	Correction to UL Hopping operation	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	90	-	DRS EPRE	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	92	-	Uplink ACK/NACK mapping for TDD	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	93	-	UL SRI Parameters Configuration	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	94	-	Miscellaneous updates for 36.213	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	95	-	Clarifying Requirement for Max PDSCH Coding Rate	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	96	-	UE Specific SRS Configuration	8.3.0	8.4.0
09/09/08	RP-41	RP-080670	97	-	DCI Format 1A changes needed for scheduling Broadcast	8.3.0	8.4.0
00/00/00	DD 44	DD 000670	00		Control Dranging of TDC hits in the random access reanance	0.2.0	0.4.0
09/09/08	RP-41	RP-080670 RP-080670	98	- 1	Processing of TPC bits in the random access response	8.3.0	8.4.0
09/09/08	RP-41	RP-080670		1	Support of multi-bit ACK/NAK transmission in TDD	8.3.0	8.4.0
03/12/08 03/12/08	RP-42 RP-42		82 83	2	Corrections to RI for CQI reporting Moving description of large delay CDD to 36.211	8.4.0 8.4.0	8.5.0 8.5.0
	RP-42	RP-081075 RP-081075		3	Reception of DCI formats	8.4.0	8.5.0
03/12/08 03/12/08	RP-42 RP-42	RP-081075		8	Alignment of RAN1/RAN2 specification	8.4.0	8.5.0
03/12/08	RP-42	RP-081075				8.4.0	8.5.0
03/12/06	KF-42	KF-061075	107	1	response message	0.4.0	0.5.0
03/12/08	RP-42	RP-081075	108	2	Final details on codebook subset restrictions	8.4.0	8.5.0
03/12/08	RP-42	RP-081075		-	Correction on the definition of Pmax	8.4.0	8.5.0
03/12/08	RP-42	RP-081075		2	CQI/PMI reference measurement periods	8.4.0	8.5.0
03/12/08	RP-42	RP-081075		-	Correction of introduction of shortened SR	8.4.0	8.5.0
03/12/08	RP-42	RP-081075		-	RAN1/2 specification alignment on HARQ operation	8.4.0	8.5.0
03/12/08	RP-42	RP-081075		-	Introducing other missing L1 parameters in 36.213	8.4.0	8.5.0
03/12/08	RP-42	RP-081075		-	PDCCH blind decoding	8.4.0	8.5.0
03/12/08	RP-42	RP-081075		-	PDCCH search space	8.4.0	8.5.0
03/12/08	RP-42	RP-081075		-	Delta_TF for PUSCH	8.4.0	8.5.0
03/12/08	RP-42	RP-081075				8.4.0	8.5.0
55, 12,00	14	001070	120	-	RA response	3	5.5.0
03/12/08	RP-42	RP-081075	122	1	Correction of offset signaling of uplink control information MCS	8.4.0	8.5.0
03/12/08	RP-42	RP-081075		-	Miscellaneous Corrections	8.4.0	8.5.0
03/12/08	RP-42	RP-081075		-	Clarification of the uplink index in TDD mode	8.4.0	8.5.0
03/12/08	RP-42	RP-081075		-	Clarification of the uplink transmission configurations	8.4.0	8.5.0
03/12/00 1							
03/12/08	RP-42	RP-081075	127	2	Correction to the PHICH index assignment	8.4.0	8.5.0

			ı		Change history		
Date			Rev	Subject/Comment	Old	New	
03/12/08	RP-42	RP-081075	129	-	Clarification of uplink grant in random access response	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	130	-	UE sounding procedure	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	134	-	Change for determining DCI format 1A TBS table column indicator for broadcast control	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	135	-	Clarifying UL VRB Allocation	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	136	1	Correction for Aperiodic CQI	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	137	1	Correction for Aperiodic CQI Reporting	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	138	1	Correction to PUCCH CQI reporting mode for N^DL_RB <= 7	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	140	1	On sounding procedure in TDD	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	141	1	Alignment of RAN1/RAN3 specification	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	143	1	TTI bundling	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	144	1	ACK/NACK transmission on PUSCH for LTE TDD	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	145	1	Timing relationship between PHICH and its associated PUSCH	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	147	1	Definition of parameter for downlink reference signal transmit power	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	148	1	Radio link monitoring	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	149	1	Correction in 36.213 related to TDD downlink HARQ processes	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	151	-	Nominal PDSCH-to-RS EPRE Offset for CQI Reporting	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	152	1	Support of UL ACK/NAK repetition in Rel-8	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	155	-	Clarification of misconfiguration of aperiodic CQI and SR	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	156	1	Correction of control information multiplexing in subframe bundling mode	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	157	-	Correction to the PHICH index assignment	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	158	1	UE transmit antenna selection	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	159	<u> </u>	Clarification of spatial different CQI for CQI reporting Mode 2-1	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	160	1	Corrections for TDD ACK/NACK bundling and multiplexing	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	161	-	Correction to RI for Open-Loop Spatial Multiplexing	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	162	-	Correction of differential CQI	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	163	-	Inconsistency between PMI definition and codebook index	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	164	-	PDCCH validation for semi-persistent scheduling	8.4.0	8.5.0
03/12/08	RP-42	RP-081075			Correction to the UE behavior of PUCCH CQI piggybacked on	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	165	1	PUSCH Correction on SRS procedure when shortened PUCCH format	8.4.0	8.5.0
			166	-	is used		
03/12/08	RP-42	RP-081075	167	1	Transmission overlapping of physical channels/signals with PDSCH for transmission mode 7		8.5.0
03/12/08	RP-42	RP-081075	169	-	Clarification of SRS and SR transmission	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	171	-	Clarification on UE behavior when skipping decoding	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	172	1	PUSCH Hopping operation corrections	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	173	-	Clarification on message 3 transmission timing	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	174	-	MCS handling for DwPTS	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	175	-	Clarification of UE-specific time domain position for SR transmission	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	176	1	Physical layer parameters for CQI reporting	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	177	-	A-periodic CQI clarification for TDD UL/DL configuration 0	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	179	1	Correction to the definitions of rho_A and rho_B (downlink power allocation)	8.4.0	8.5.0
03/12/08	RP-42	RP-081075	180	 -	Clarification of uplink A/N resource indication	8.4.0	8.5.0
03/12/08	RP-42	RP-081075			PDCCH format 0 for message 3 adaptive retransmission and	8.4.0	8.5.0
	- ·-		181	-	transmission of control information in message 3 during contention based random access procedure		
03/12/08	RP-42	RP-081075	182	-	To Fix the Discrepancy of Uplink Power Control and Channel Coding of Control Information in PUSCH	8.4.0	8.5.0
03/12/08	RP-42	RP-081122	183	1	CQI reporting for antenna port 5	8.4.0	8.5.0
03/12/08	RP-42	RP-081112	168	1	Clarification on path loss definition	8.4.0	8.5.0
04/03/09	RP-43	RP-090236	184	1	Corrections to Transmitted Rank Indication	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	185	4	Corrections to transmitted Kank indication Corrections to transmission modes	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	186	2	Delta_TF configuration for control only PUSCH	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	187	1	Correction to concurrent SRS and ACK/NACK transmission	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	191	1	PDCCH release for semi-persistent scheduling	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	191	1	Correction on ACKNACK transmission on PUSCH for LTE TDD	8.5.0	8.6.0
04/03/09	RP-43		192	-	Correction to subband differential CQI value to offset level	8.5.0	8.6.0
		RP-090236		_	mapping for aperiodic CQI reporting		
04/03/09	RP-43	RP-090236	194	-	Correction for DRS Collision handling	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	196	2	Alignment of RAN1/RAN4 specification on UE maximum output power	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	197	-	Transmission scheme for transmission mode 7 with SPS C-RNTI	8.5.0	8.6.0
		1	198	1	Clarifying bandwidth parts for periodic CQI reporting and CQI	8.5.0	8.6.0

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
04/03/09	RP-43	RP-090236	199	2	Correction to the ACK/NACK bundling in case of transmission	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	200		mode 3 and 4 ACK/NAK repetition for TDD ACK/NAK multiplexing	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	201	-	Clarifying UL ACK/NAK transmission in TDD	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	202	_	Corrections to UE Transmit Antenna Selection	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	203	-	Correction to UE PUSCH hopping procedure	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	204	-	Correction to PHICH resource association in TTI bundling	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	205	-	Clarification of the length of resource assignment	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	206	-	Correction on ACK/NACK transmission for downlink SPS	8.5.0	8.6.0
		KF-090230			resource release		
04/03/09	RP-43	RP-090236	207	-	Introduction of additional values of wideband CQI/PMI periodicities	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	208	2	Correction to CQI/PMI/RI reporting field	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	209	2	Correction to rho_A definition for CQI calculation	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	210	-	Correction to erroneous cases in PUSCH linear block codes	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	211	1	Removing RL monitoring start and stop	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	214	1	Correction to type-1 and type-2 PUSCH hopping	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	215	-	Contradicting statements on determination of CQI subband size	8.5.0	8.6.0
04/03/09	RP-43 RP-43	RP-090236 RP-090236	216 219	2	Corrections to SRS Miscellaneous corrections on TDD ACKNACK	8.5.0 8.5.0	8.6.0 8.6.0
04/03/09	RP-43	RP-090236	221	1	CR for Redundancy Version mapping function for DCI 1C	8.5.0	8.6.0
04/03/09	RP-43		223	-	Scrambling of PUSCH corresponding to Random Access	8.5.0	8.6.0
		RP-090236			Response Grant		
04/03/09	RP-43	RP-090236	225	-	Removal of SRS with message 3	8.5.0 8.5.0	8.6.0
04/03/09	RP-43	RP-090236	226	3			8.6.0
04/03/09	RP-43 RP-43	RP-090236 RP-090236	227 228	-	Clarifying error handling of PDSCH and PUSCH assignments Clarify PHICH index mapping	8.5.0 8.5.0	8.6.0 8.6.0
04/03/09	RP-43	RP-090236	229	-	Correction of CQI timing	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	230	-	Alignment of CQI parameter names with RRC	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	231	1	Removal of 'Off' values for periodic reporting in L1	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	232	-	Default value of RI	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	233	1	Clarification of uplink timing adjustments	8.5.0	8.6.0
04/03/09	RP-43	RP-090236	234	-	Clarification on ACK/NAK repetition	8.5.0	8.6.0
27/05/09	RP-44		235	1	Correction to the condition of resetting accumulated uplink	8.6.0	8.7.0
		RP-090529			power correction		
27/05/09	RP-44	RP-090529	236	-	Correction to the random access channel parameters received from higher layer	8.6.0	8.7.0
27/05/09	RP-44	RP-090529	237	_	Correction on TDD ACKNACK	8.6.0	8.7.0
27/05/09	RP-44	RP-090529	238	1	Correction on CQI reporting	8.6.0	8.7.0
27/05/09	RP-44	RP-090529	239	-	Correction on the HARQ process number	8.6.0	8.7.0
27/05/09	RP-44	RP-090529	241	1	CR correction of the description on TTI-bundling	8.6.0	8.7.0
27/05/09	RP-44	RP-090529	242	1	Clarify latest and initial PDCCH for PDSCH and PUSCH	8.6.0	8.7.0
		RP-090529			transmisisons, and NDI for SPS activation		
27/05/09	RP-44	RP-090529	243	-	Clarify DRS EPRE	8.6.0	8.7.0
27/05/09	RP-44	RP-090529	244	1	Clarification on TPC commands for SPS	8.6.0	8.7.0
15/09/09	RP-45	RP-090888	245	1	Correction to PUSCH hopping and PHICH mapping procedures	8.7.0	8.8.0
15/09/09	RP-45	RP-090888	246	-	Clarification on subband indexing in periodic CQI reporting	8.7.0	8.8.0
15/09/09	RP-45	RP-090888	247	2	Correction to DVRB operation in TDD transmission mode 7	8.7.0	8.8.0
15/09/09	RP-45	RP-090888	249	-	Clarification of concurrent ACKNACK and periodic PMI/RI transmission on PUCCH for TDD	8.7.0	8.8.0
15/09/09	RP-45	RP-090888	250	 _	Clarify Inter-cell synchronization text	8.7.0	8.8.0
01/12/09	RP-46	RP-091172	248	1	Introduction of LTE positioning	8.8.0	9.0.0
01/12/09	RP-46	RP-091172	254	-	Clarification of PDSCH and PRS in combination for LTE	8.8.0	9.0.0
01/12/09	RP-46	RP-091177	255	5	positioning Editorial corrections to 36.213	8.8.0	9.0.0
01/12/09	RP-46	RP-091257	256	1	Introduction of enhanced dual layer transmission	8.8.0	9.0.0
01/12/09	RP-46	RP-091177	257	1	Add shorter SR periodicity	8.8.0	9.0.0
01/12/09	RP-46	RP-091256	258	-	Introduction of LTE MBMS	8.8.0	9.0.0
17/12/09	RP-46	RP-091257	256	1	Correction by MCC due to wrong implementation of CR0256r1 – Sentence is added to Single-antenna port scheme subclause		9.0.1
16/03/10	RP-47	RP-100211	259	3	7.1.1 UE behavior when collision of antenna port 7/8 with PBCH or SCH happened and when distributed VRB is used with antenna port 7		9.1.0
16/03/10	RP-47	RP-100210	260	1	MCCH change notification using DCI format 1C	9.0.1	9.1.0
16/03/10	RP-47	RP-100211	263	-	Correction on PDSCH EPRE and UE-specific RS EPRE for Rel- 9 enhanced DL transmissions		9.1.0
01/06/10	RP-48	RP-100589	265	-	Clarification for TDD when multiplexing ACK/NACK with SR of ACK/NACK with CQI/PMI or RI	9.1.0	9.2.0
01/06/10	RP-48	RP-100590	268	1	Clarification of PRS EPRE	9.1.0	9.2.0
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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
14/09/10	RP-49	RP-100900	269	-	Clarification on Extended CP support with Transmission Mode 8	9.2.0	9.3.0
07/12/10	RP-50	RP-101320	270	-	Introduction of Rel-10 LTE-Advanced features in 36.213	9.3.0	10.0.0
27/12/10			-	-	Editorial change to correct a copy/past error in subclause 7.2.2	10.0.0	10.0.1
15/03/11	RP-51	RP-110255	271	1	A clarification for redundancy version of PMCH	10.0.1	10.1.0
15/03/11	RP-51	RP-110258		-	RLM Procedure with restricted measurements	10.0.1	10.1.0
15/03/11	RP-51	RP-110256		-	Corrections to Rel-10 LTE-Advanced features in 36.213	10.0.1	10.1.0
01/06/11	RP-52	RP-110819		3	Correction to HARQ-ACK procedure for TDD mode b with M=2	10.1.0	10.2.0
01/06/11	RP-52	RP-110819		3	Determination of PUSCH A/N codebook size for TDD	10.1.0	10.2.0
01/06/11	RP-52	RP-110823	276	-	The triggering of aperiodic SRS in DCI formats 2B and 2C	10.1.0	10.2.0
01/06/11	RP-52	RP-110819		3	Corrections to power headroom	10.1.0	10.2.0
01/06/11	RP-52	RP-110819		1	Removal of square brackets for PUCCH format 3 ACK/NACK	10.1.0	10.2.0
01/06/11	RP-52 RP-52	RP-110819	281	2	Correction of AN repetition and PUCCH format 3	10.1.0	10.2.0
01/06/11	KP-52	RP-110819	282		Correction to timing for secondary cell activation and deactivation	10.1.0	10.2.0
01/06/11	RP-52	RP-110823	283	1	Correction to MCS offset for multiple TBs	10.1.0	10.2.0
01/06/11	RP-52	RP-110820	286	1	Miscellaneous Corrections	10.1.0	10.2.0
01/06/11	RP-52		288	1	Corrections on UE procedure for determining PUCCH	10.1.0	10.2.0
01/00/11	111 -02	RP-110819	200	'	Assignment	10.1.0	10.2.0
01/06/11	RP-52	RP-110819	289	2	Correction to Multi-cluster flag in DCI format 0	10.1.0	10.2.0
01/06/11	RP-52	RP-110819		2	Joint transmission of ACK/NACK and SR with PUCCH format 3	10.1.0	10.2.0
01/06/11	RP-52	RP-110819	291	3	Correction of uplink resource allocation type 1	10.1.0	10.2.0
01/06/11	RP-52	RP-110821	292	1	Correction on CSI-RS configuration	10.1.0	10.2.0
01/06/11	RP-52		294	-	ACK/NACK and CQI simultaneous transmission in ACK/NACK	10.1.0	10.2.0
		RP-110818			bundling in TDD		
01/06/11	RP-52	RP-110823	295	-	UE specific disabling of UL DMRS sequence hopping	10.1.0	10.2.0
01/06/11	RP-52	RP-110821	296	-	PDSCH transmission in MBSFN subframes	10.1.0	10.2.0
01/06/11	RP-52	RP-110819	297	-	Introduction of PCMAX for PUSCH power scaling	10.1.0	10.2.0
01/06/11	RP-52	RP-110819	298	-	Power control for SR and ACK/NACK with PUCCH format 3	10.1.0	10.2.0
01/06/11	RP-52	RP-110819	299	2	CR on power control for HARQ-ACK transmission on PUCCH	10.1.0	10.2.0
01/06/11	RP-52	RP-110819	300	2	Correction to handling of search space overlap	10.1.0	10.2.0
01/06/11	RP-52	RP-110819	301	1	Correction to simultaneous transmission of SRS and PUCCH	10.1.0	10.2.0
		RP-110819			format 2/2a/2b		
01/06/11	RP-52	RP-110819	302	1	Correction for Simultaneous PUCCH and SRS Transmissions	10.1.0	10.2.0
		KF-110019			on CA		
01/06/11	RP-52	RP-110821	303	-	Correction on 8Tx Codebook Sub-sampling for PUCCH Mode 1-	10.1.0	10.2.0
		141 110021			1		
01/06/11	RP-52	DD 440004	304	1	Corrections on CQI type in PUCCH mode 2-1 and clarification	10.1.0	10.2.0
		RP-110821			on simultaneous PUCCH and PUSCH transmission for UL-SCH		
01/06/11	DD 50		205	4	subframe bundling Correction on UE behaviour upon reporting periodic CSI using	4040	40.00
01/06/11	RP-52	RP-110818	305	1	PUCCH Mode1-1	10.1.0	10.2.0
01/06/11	RP-52	RP-110818	306	-	Clarification for the definition of CQI	10.1.0	10.2.0
01/06/11	RP-52	RP-110818		-	Clarification for the definition of Precoding Matrix Indicator	10.1.0	10.2.0
01/06/11	RP-52	RP-110819		-	Simultaneous SRS transmissions in more than one cell	10.1.0	10.2.0
01/06/11	RP-52	RP-110819	310	1	Miscellaneous Corrections for TS 36.213	10.1.0	10.2.0
01/06/11	RP-52	RP-110819	311	1	Configuration of pmi-RI-Report	10.1.0	10.2.0
01/06/11	RP-52		312	1	Correction on the support of PUCCH format 3 and channel	10.1.0	10.2.0
01/00/11	INI -JZ	RP-110819	312	'	selection	10.1.0	10.2.0
01/06/11	RP-52		313	-	Correction on UE behaviour during DM-RS transmission on	10.1.0	10.2.0
3.,00,11	02	RP-110821			subframes carrying synchronization signals		1.5.2.0
01/06/11	RP-52	RP-110820	314	1	36.213 CR on antenna selection	10.1.0	10.2.0
01/06/11	RP-52	RP-110823		1	Number of HARQ process for UL spatial multiplexing	10.1.0	10.2.0
01/06/11	RP-52	RP-110819		-	PUCCH format 3 Fallback procedure in TDD	10.1.0	10.2.0
01/06/11	RP-52		318	-	Clarification on CSI reporting under an invalid downlink	10.1.0	10.2.0
		RP-110819			subframe		
01/06/11	RP-52	RP-110819	320	-	Multiple Aperiodic SRS Triggers for Same Configuration	10.1.0	10.2.0
01/06/11	RP-52	RP-110823	321	-	UE antenna switch in UL MIMO	10.1.0	10.2.0
01/06/11	RP-52	RP-110819	322	-	UE behaviour for PDSCH reception with limited soft buffer in CA	10.1.0	10.2.0
01/06/11	RP-52	RP-110859	323	-	Joint transmission of ACK/NACK and SR or CSI with PUCCH	10.1.0	10.2.0
					format 3 and channel selection		
15/09/11	RP-53	RP-111229	277	1	Correction to reception of PRS in MBSFN subframes	10.2.0	10.3.0
15/09/11	RP-53	RP-111230		3	Corrections on UE procedure for reporting HARQ-ACK	10.2.0	10.3.0
15/09/11	RP-53	RP-111230	326	2	Corrections on Physical Uplink Control Channel Procedure	10.2.0	10.3.0
15/09/11	RP-53	RP-111231	331	1	Correction to uplink transmission scheme usage for random	10.2.0	10.3.0
					access response and PHICH-triggered retransmissions		
15/09/11	RP-53	RP-111229	336	-	Corrections on transmission mode 9	10.2.0	10.3.0
15/09/11	RP-53	RP-111230	339	-	Corrections on HARQ-ACK codebook size determination	10.2.0	10.3.0
15/09/11	RP-53	RP-111230	340	_	Corrections on TDD PUCCH format 1b with channel selection	10.2.0	10.3.0
		RP-111230	341		and HARQ-ACK transmission on PUSCH Corrections on NACK generation		10.3.0
15/09/11	RP-53			-		10.2.0	

150941 RP-53 RP-111220 342 Corrections on power headdroom reporting 10.2.0 10.3.0 10.50941 RP-53 RP-111220 346 Corrections on power headdroom reporting 10.2.0 10.3.0 10.50941 RP-53 RP-111220 348 Correction on TBS translation table 10.2.0 10.3.0 10.50941 RP-53 RP-111220 348 Correction on TBS translation table 10.2.0 10.3.0 10.50941 RP-53 RP-111220 348 Correction on TBS translation table 10.2.0 10.3.0 10.50941 RP-53 RP-111231 350 CR on ILL-HARD ACK determination 10.2.0 10.3.0 10.50941 RP-53 RP-111231 351 Correction on IU. DMR resources for PHICH-triggered 10.2.0 10.3.0 10.50941 RP-53 RP-111230 351 CR on ILL-HARD ACK determination 10.2.0 10.3.0 10.50941 RP-53 RP-111230 352 Caracterion on IU. DMR resources for PHICH-triggered 10.2.0 10.3.0 10.50941 RP-53 RP-111230 352 Caracterion on IU. DMR resources for PHICH-triggered 10.2.0 10.3.0 10.50941 RP-54 RP-111230 352 Caracterion on IU. DMR resources for PHICH-triggered 10.2.0 10.3.0 10.50941 RP-54 RP-111230 352 Caracterion on IU. DMR resources for PHICH-triggered 10.2.0 10.3.0 10.50941 RP-54 RP-111230 352 Caracterion on IU. DMR resources for PHICH-triggered 10.2.0 10.3.0 10.50941 RP-54 RP-111230 353 Caracterion on IU. DMR resources for PHICH-triggered 10.2.0 10.3.0 10.50941 RP-54 RP-111230 353 Caracterion on IU. DMR resources for PHICH-triggered 10.2.0 10.3.0 10.50941 RP-54 RP-111230 353 Caracterion on Internation of Internation Determination on Internation						Change history		
1509411 RP-53 RP-111229 346 . Correction of the Condition of enabling PMI feedback 10.20 10.30 15.09411 RP-53 RP-111229 349 . Miscellaneous corrections to 10.20 10.30 10.30 10.09411 RP-53 RP-111239 349 . Corrections of the Public Miscellaneous corrections of 10.20 10.30 10.09411 RP-53 RP-111231 350 . CR on UL HARD ACK determination 10.20 10.30 10.0941 RP-53 RP-111231 351 CR on UL HARD ACK determination 10.20 10.30 10.0941 RP-53 RP-111231 351 . Carrection on UL DMRS resources for PHICH-triggered 10.20 10.30 10.0941 RP-53 RP-111232 353 . RP-111232 353 . RP-111232 354 . Carrection on UL DMRS resources for PHICH-triggered 10.20 10.3	Date	TSG#	TSG Doc.	CR	Rev		Old	New
150941 RP-53 RP-111239 346 . Correction of the Condition of anabling PMI feedback 10.20 10.30 10.0041 RP-53 RP-111232 348 . Miscellaneous corrections to 16.0041 RP-53 RP-111232 349 . Corrections on PUSCH modes 10.20 10.30 10.0041 RP-53 RP-111231 390 . GR on UL HARRO ACK determination 10.20 10.30 10.0041 RP-53 RP-111231 391 . GR on UL HARRO ACK determination 10.20 10.30 10.0041 RP-53 RP-111231 391 . GR on UL HARRO ACK determination 10.20 10.30 10.0041 RP-53 RP-111231 391 . Greentein on UL DMRS resources for PHICH-triggered 10.20 10.30 10.0041 RP-53 RP-111232 353 .	15/09/11	RP-53	RP-111230	342	-		10.2.0	10.3.0
15/09/11 RP-53 RP-111229 347 2 Correction to the condition of enabling PMI feedback 10.2.0 10.3.0 10.5001 RP-53 RP-111229 348 - Miscellaneous corrections to 36:213 10.2.0 10.3.0 10.2.0 10.3.0 10.5001 RP-53 RP-11123 359 1 Corrections on PUSCH and PUCCH modes 10.2.0 10.3.0 10.5001 RP-53 RP-111231 351 1 Correction on the common search space description 10.2.0 10.3.0 10.5001 RP-53 RP-111230 351 1 Correction on the common search space description 10.2.0 10.3.0 10.5001 RP-53 RP-111230 355 Correction on the common search space for DCI formats 0 and 10.2.0 10.3.0 10.5001 RP-53 RP-111230 355 Correction on the common search space for DCI formats 0 and 10.2.0 10.3.0 10.5001 RP-54 RP-111666 356 Corrections on tepotrum common search space for DCI formats 0 and 10.2.0 10.3.0 10.5001 RP-54 RP-111666 357 1 Miscellaneous corrections on upling work control 10.3.0 10.4.0 10.50121 RP-54 RP-111666 359 Corrections on the Common search space for DCI formats 3/34 10.3.0 10.4.0 10.50121 RP-54 RP-111666 359 Corrections on the Common search space for DCI formats 3/34 10.3.0 10.4.0 10.50121 RP-54 RP-111666 356 Corrections on the Common search space for DCI formats 3/34 10.3.0 10.4.0 10.50121 RP-54 RP-111666 356 Corrections on the Common search space for DCI formats 3/34 10.3.0 10.4.0 10.50121 RP-54 RP-111666 360 Corrections on the DCI format 15 with channel selection 10.3.0 10.4.0 10.50121 RP-54 RP-111666 360 Corrections on the DCI format 15 with channel selection 10.3.0 10.4.0 10.50121 RP-54 RP-111666 363 Corrections on the DCI formats 0 with which can be a correction of the Correction of the American of the Correction of the Corre	15/09/11	RP-53	RP-111229	346	-		10.2.0	10.3.0
1509911 RP-53 RP-111223 359 Corrections on PUSCH and PUCCH modes 10.2.0 10.3.0 15.09611 RP-53 RP-111231 351 Correction on PUL DMRS resources for PHICH-riggered 10.2.0 10.3.0 15.09611 RP-53 RP-111230 352 Correction on PUL DMRS resources for PHICH-riggered 10.2.0 10.3.0 15.09611 RP-53 RP-111223 353 Correction on PUL DMRS resources for PHICH-riggered 10.2.0 10.3.0 15.09611 RP-53 RP-111223 353 Correction on PUL DMRS resources for PHICH-riggered 10.2.0 10.3.0 15.09611 RP-54 RP-111223 355 Corrections on PUSCH prover for CSI-RS based CSI 10.2.0 10.3.0 15.09611 RP-54 RP-111668 354 Corrections on reporting Channel State Information 10.2.0 10.3.0 10.4.0 10.5711 RP-54 RP-111668 354 Corrections on PUSCH prover for CSI-RS based CSI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 356 Corrections on PUSCH prover for CSI-RS based CSI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 356 Corrections on PUSCH prover control 10.3.0 10.4.0 10.5711 RP-54 RP-111668 357 Corrections on PUSCH prover control 10.3.0 10.4.0 10.5711 RP-54 RP-111668 361 Corrections on PUSCH mode 2:1 10.3.0 10.4.0 10.5711 RP-54 RP-111668 361 Corrections on PUSCH mode 2:1 10.3.0 10.4.0 10.5711 RP-54 RP-111668 362 Corrections on PUSCH risemission assumption for COI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 365 Corrections on PUSCH risemission assumption for COI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 365 Corrections on PUSCH risemission assumption for COI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 367 Corrections on PUSCH risemission assumption for COI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 367 Corrections on PUSCH risemission assumption for COI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 367 Correction on PUSCH risemission assumption for COI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 367 Correction on PUSCH risemission correction	15/09/11	RP-53	RP-111229	347	2	Correction to the condition of enabling PMI feedback	10.2.0	10.3.0
1509911 RP-53 RP-111223 359 Corrections on PUSCH and PUCCH modes 10.2.0 10.3.0 15.09611 RP-53 RP-111231 351 Correction on PUL DMRS resources for PHICH-riggered 10.2.0 10.3.0 15.09611 RP-53 RP-111230 352 Correction on PUL DMRS resources for PHICH-riggered 10.2.0 10.3.0 15.09611 RP-53 RP-111223 353 Correction on PUL DMRS resources for PHICH-riggered 10.2.0 10.3.0 15.09611 RP-53 RP-111223 353 Correction on PUL DMRS resources for PHICH-riggered 10.2.0 10.3.0 15.09611 RP-54 RP-111223 355 Corrections on PUSCH prover for CSI-RS based CSI 10.2.0 10.3.0 15.09611 RP-54 RP-111668 354 Corrections on reporting Channel State Information 10.2.0 10.3.0 10.4.0 10.5711 RP-54 RP-111668 354 Corrections on PUSCH prover for CSI-RS based CSI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 356 Corrections on PUSCH prover for CSI-RS based CSI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 356 Corrections on PUSCH prover control 10.3.0 10.4.0 10.5711 RP-54 RP-111668 357 Corrections on PUSCH prover control 10.3.0 10.4.0 10.5711 RP-54 RP-111668 361 Corrections on PUSCH mode 2:1 10.3.0 10.4.0 10.5711 RP-54 RP-111668 361 Corrections on PUSCH mode 2:1 10.3.0 10.4.0 10.5711 RP-54 RP-111668 362 Corrections on PUSCH risemission assumption for COI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 365 Corrections on PUSCH risemission assumption for COI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 365 Corrections on PUSCH risemission assumption for COI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 367 Corrections on PUSCH risemission assumption for COI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 367 Corrections on PUSCH risemission assumption for COI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 367 Correction on PUSCH risemission assumption for COI 10.3.0 10.4.0 10.5711 RP-54 RP-111668 367 Correction on PUSCH risemission correction	15/09/11	RP-53	RP-111232	348	-	Miscellaneous corrections to 36.213	10.2.0	10.3.0
1509/11 RP-53 RP-111231 350 1 CR on UL HARCA OK determination 10.2 10.3.0 10.30 1509/11 RP-53 RP-111231 351 1 Correction on IL DMRS resources for PHICH-triggered 10.2 10.3.0 1509/11 RP-53 RP-111230 352 Circlification on the common search space description 10.2 10.3.0 10.3.0 1509/11 RP-53 RP-111230 355 Circlification on ambiguous DCI information between UE-specific 10.2 10.3.0 10.4.0 10.50	15/09/11	RP-53	RP-111229	349	-		10.2.0	10.3.0
15/09/11 RP-53 RP-111/231 351 Correction on UL DMRS resources for PHICH-Ingered 10.2.0 10.3.0 15/09/11 RP-54 RP-111/232 353 Clarification on ambiguous DCI information between UE-specific 10.2.0 10.3.0 15/09/11 RP-54 RP-111/232 353 Clarification on ambiguous DCI information between UE-specific 10.2.0 10.3.0 15/09/11 RP-54 RP-111/232 354 Clarification on ambiguous DCI information between UE-specific 10.2.0 10.3.0 10.4.0 10.50/11/11 RP-54 RP-111/232 354 Clarification on reporting Channel State Information 10.2.0 10.3.0 10.4.0 10.50/11/11 RP-54 RP-111/668 359 Currections on reporting Channel State Information 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 369 Corrections on the notation of kand k.m. 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 361 Corrections on PUCCH mode 2-1 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 361 Corrections on PUCCH mode 2-1 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 361 Corrections on PUCCH mode 2-1 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 361 Corrections on PUCCH mode 2-1 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 365 Clarification on the determination of resource for PUCCH 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 365 Clarification on the determination of resource for PUCCH 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 367 Corrections on the determination of resource for PUCCH 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 367 Corrections on the determination of resource for PUCCH 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 367 Correction on the determination of resource for PUCCH 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 367 Correction on the determination of resource for PUCCH 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 367 Correction on the determination of resource for PUCCH 10.3.0 10.4.0 10.51/11 RP-54 RP-111/668 367 Correction on the determination of resource Allo			RP-111231		1			
15/09/11 RP-53 RP-111230 352 Clarification on the common search space description 10.2.0 10.3.0	15/09/11	RP-53		054			10.2.0	10.3.0
15/09/11 RP-54 RP-111232 354 Clarification on ambiguous DCI information between UE-specific 10.2.0 10.3.0 15/09/11 RP-54 RP-111230 354 Clarification of Reference PDSCH Power for CSI-RS based CSI 10.2.0 10.3.0 10.5/09/11 RP-54 RP-111669 324 3 Accumulation of power control commands from DCI formati 3/30 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 357 1 Miscellaneus corrections on upinity power control 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 356 Corrections on Ni_c*(received) 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 356 Corrections on Ni_c*(received) 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 356 Corrections on Ni_c*(received) 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 356 Corrections on Ni_c*(received) 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 360 Corrections on PDCCH fromat 1b with channel selection 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 361 Corrections on PDCCH mode 2-1 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 362 Corrections on PDCCH resource Notation 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 365 Corrections on PDCCH Resource Notation 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 365 Corrections on the Name of SRS transmission comb 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 365 Corrections on the Name of SRS transmission comb 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 365 Corrections on the Name of SRS transmission comb 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 366 Corrections on the Name of SRS transmission comb 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 367 Correction on the Name of SRS transmission comb 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 367 Correction on the Altermination of resource for PUCCH 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 367 Correction on the Name of SRS transmission comb 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 368 Correction on the Name of SRS transmission comb			RP-111231	351	1			
RP-51	15/09/11	RP-53	RP-111230	352	-	Clarification on the common search space description	10.2.0	10.3.0
15/09/11 RP-53 RP-111229 354 Search space and common search space for DCI formats 0 and 1 15/09/11 RP-53 RP-111229 354 Clarification of Reference PDSCH Power for CSI-RS based CSI 10.2.0 10.3.0 10.50 10.	15/09/11	RP-53				Clarification on ambiguous DCI information between UE-specific	10.2.0	10.3.0
15/09/11 RP-53 RP-111229 354 Clarification of Reference PDSCH Power for CSI-RS based CSI 10.2.0 10.3.0 10.5/12/11 RP-54 RP-111669 324 3. Accumulation of power control commands from DCI format 3/34 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 357 1. Miscellaneous corrections on uplink power control 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 358 Corrections on N _c -V(received) 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 358 Corrections on N _c -V(received) 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 360 Corrections on N _c -V(received) 10.3.0 10.4.0 05/12/11 RP-54 RP-111668 361 Corrections on PUCCH mode 2-1 10.3.0 10.4.0 05/12/11 RP-54 RP-111668 361 Corrections on PUCCH mode 2-1 10.3.0 10.4.0 05/12/11 RP-54 RP-111668 365 Corrections on PUCCH mode 2-1 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 363 Corrections on PUCCH Resource Notation 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 363 Corrections on PUCCH Resource Notation 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 363 Corrections on PUCCH Resource Notation 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 365 Corrections on PUCCH Resource Notation 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 365 Corrections on PUCCH Resource Notation 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 367 Correction on the HARO-ACK procedure 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 367 Correction on the HARO-ACK procedure 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 367 Correction on the HARO-ACK procedure 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 367 Correction on the MARO-ACK procedure 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 367 Correction on the MARO-ACK procedure 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 367 Correction on the MARO-ACK procedure 10.3.0 10.4.0 05/12/11 RP-54 RP-111666 367 Correction on the MARO-ACK procedure 10.3.0 10.4.0 05/12/11 RP-54 RP-111666			RP-111232	353	1	search space and common search space for DCI formats 0 and		
RP-54								
15/09/11 RP-54 RP-111669 355 2. Corrections on reporting Channel State Information 10.2.0 10.3.0 30.5/12/11 RP-54 RP-111669 357 1 Miceolaneus corrections on upink power control 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 358 - Corrections on N _c -V(received) 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 359 - Corrections on N _c -V(received) 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 369 - Corrections on N _c -V(received) 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 360 - Corrections on DUCCH romat the with channel selection 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 361 - Corrections on PUCCH mode 2-1 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 363 1 Corrections on PUCCH reason assumption for COI 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 363 1 Corrections on PUCCH Resource Notation 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 365 - Correction on the notation of SRS transmission comb 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 365 - Correction on the hARC-ACK procedure of TDD UL-DL 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 365 - Correction on the HARC-ACK procedure of TDD UL-DL 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 367 1 Corrections on PUCCH resource for PUCCH 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 367 1 Correction on the determination of resource for PUCCH 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 367 1 Correction on the HARC-ACK procedure 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 367 1 Correction on PUCCH resource for PUCCH 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 367 1 Correction on PUCCH resource for PUCCH 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 367 1 Correction on PUCCH resource for PUCCH 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 367 1 Correction on PUCCH resource for PUCCH 10.3.0 10.4.0 30.5/12/11 RP-54 RP-111669 369 2 Correction for PUCCH	15/09/11	RP-53	DD 111220	25/			10.2.0	10.3.0
05/12/11 RP-54 RP-111666 357 1 0.20 0			KF-111229	334				
56/12/11 RP-54 RP-111666 358 Corrections on N_O*(received) 10.3.0 10.4.0		RP-53		355	2	Corrections on reporting Channel State Information	10.2.0	10.3.0
	05/12/11	RP-54	RP-111669	324	3	Accumulation of power control commands from DCI format 3/3A	10.3.0	10.4.0
0.571/2111 RP-54 RP-111666 Sep Corrections on TDD PUCCH format 1b with channel selection 10.3.0 10.4.0	05/12/11	RP-54	RP-111666	357	1	Miscellaneous corrections on uplink power control	10.3.0	10.4.0
Mr-11166	05/12/11	RP-54	RP-111666	358	-	Corrections on N_c^{received}	10.3.0	10.4.0
Section Sect	05/12/11	RP-54	DD 444666	359	-	Corrections on TDD PUCCH format 1b with channel selection	10.3.0	10.4.0
05/12/11 RP-54 RP-111668 363 1 Corrections on PUCCH mode 2-1 10.3.0 10.4.0			RP-111666					
Section Sect	05/12/11	RP-54	RP-111666	360	-	Corrections on the notation of k and k_m	10.3.0	10.4.0
Section Sect					1	Corrections on PUCCH mode 2-1	10.3.0	
					1			
1.05/12/11 RP-54 RP-111666 365 Carrection on the notation of SRS transmission comb 10.3.0 10.4.0		• .	RP-111668		_			
1.05/12/11 RP-54 RP-111666 365 Carrection on the notation of SRS transmission comb 10.3.0 10.4.0	05/12/11	RP-54	RP-111666	363	1	Corrections on PUCCH Resource Notation	10.3.0	10.4.0
SP-12/11 RP-54 RP-111666 365 Clarification on the HARQ-ACK procedure of TDD UL-DL 10.3.0 10.4.0 10.5.0 10.5.0 10.4.0 10.5.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0 10.4.0 10.5.0				364	-			
Configuration 5						Clarification on the HARQ-ACK procedure of TDD UL-DL		
Format 1b with channel selection in TDD mode			RP-111666					
Format 1b with channel selection in TDD mode	05/12/11	RP-54	DD 444666	366	2	Clarification on the determination of resource for PUCCH	10.3.0	10.4.0
OS/12/11 RP-54 RP-111666 368 Correction for A/N on PUSCH with W=1,2 in case of TDD 10.3.0 10.4.0			RP-111000			Format 1b with channel selection in TDD mode		
Channel selection	05/12/11	RP-54	RP-111666	367	1	Correction on HARQ-ACK procedure	10.3.0	10.4.0
Charlet Selection Char	05/12/11	RP-54	DD 444666	368	-	Correction for A/N on PUSCH with W=1,2 in case of TDD	10.3.0	10.4.0
10.4.0 10.5/12/11 10.4.0 10.5/12/11 10.4.0 10.5/12/11 10.4.0 10.5/12/11 10.4.0 10.5/2 10.			RP-111000			channel selection		
D6/12/11 RP-54 RP-111666 371 2 Correction to periodic CSI reports for carrier aggregation 10.3.0 10.4.0 10.50 10.4.0 10.5/12/11 RP-54 RP-111666 373 1 Removal of square bracket in HARQ-ACK procedure 10.3.0 10.4.0 10.5/12/11 RP-54 RP-111666 375 1 Clarification on UE's capability of supporting PUCCH format 3 10.3.0 10.4.0 10.5/12/11 RP-54 RP-111666 375 1 Clarification on UE's capability of supporting PUCCH format 3 10.3.0 10.4.0 10.5/12/12 RP-55 RP-120286 376 1 RNTI Configuration associated with DL Resource Allocation 10.4.0 10.5.0 10.6.0 10.5.0 10.6.0 10.5.0 10.6.0 10.5.0 10.6.0 10.5.0 10.6.0 10.6.0 10.5.0 10.6.0 10.7.0 10.6.0 10.6.0 10.7.0 10.6.0 10.	05/12/11	RP-54	RP-111668	369	-	Clarification of PUCCH 2-1 Operation	10.3.0	10.4.0
DS/12/11 RP-54 RP-111666 373 1 Removal of square bracket in HARQ-ACK procedure 10.3.0 10.4.0	05/12/11	RP-54	RP-111668	370	1	Correction on PMI index	10.3.0	10.4.0
05/12/11 RP-54 RP-111666 374 1 Clarification on UE's capability of supporting PUCCH format 3 10.3.0 10.4.0	05/12/11	RP-54	RP-111666	371	2	Correction to periodic CSI reports for carrier aggregation	10.3.0	10.4.0
Description	05/12/11	RP-54	RP-111666	373	1	Removal of square bracket in HARQ-ACK procedure	10.3.0	10.4.0
Description	05/12/11	RP-54	RP-111666	374	1	Clarification on UE's capability of supporting PUCCH format 3	10.3.0	10.4.0
28/02/12 RP-55 RP-120286 376 1 RNTI Configuration associated with DL Resource Allocation Type 2 10.4.0 10.5.0 28/02/12 RP-56 RP-120283 377 2 Correction for ACK/NACK related procedure in case of TDD UL- 10.4.0 10.5.0 13/06/12 RP-56 RP-120737 378 3 Correction of FDD channel selection HARQ-ACK and SR transmission 10.5.0 10.6.0 13/06/12 RP-56 RP-120738 379 - Removal of description with square brackets 10.5.0 10.6.0 13/06/12 RP-56 RP-120738 381 - Correction on transmission mode 9 with a single antenna port transmission 10.5.0 10.6.0 04/09/12 RP-57 RP-121265 382 - Clarification of codebook subsampling for PUCCH 2-1 10.6.0 10.7.0 04/09/12 RP-57 RP-121264 384 - Correction to UE transmit antenna selection 10.6.0 10.7.0 04/09/12 RP-57 RP-121264 385 - Correction to UE transmit antenna selection 10.6.0 10.7.0	05/12/11	RP-54	RP-111666	375	1		10.3.0	10.4.0
Type 2					1			
13/06/12 RP-56 RP-120737 378 3 Correction of FDD channel selection HARQ-ACK and SR 10.5.0 10.6.0 13/06/12 RP-56 RP-120738 379 - Removal of description with square brackets 10.5.0 10.6.0 13/06/12 RP-56 RP-120738 381 - Correction on transmission mode 9 with a single antenna port 10.5.0 10.6.0 10.7.0 10.0 10.7.0 10.6.0 10.7.0 10.6.0 10.7.0 10.6.0 10.7.0 10.6.0 10.7.0 10.6.0 10.7.0 10.6.0 10.7.0 10.6.0 10.7.0 10.6.0 10.7.0 10.6.0 10.7.0 10.6.0 10.7.0 10.6.0 10.7.0 10.6.0 10.7.0 10.6.0 10.7.0 10.6.0			RP-120286			Type 2		
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13/06/12			KF-120203					
13/06/12 RP-56 RP-120738 379 - Removal of description with square brackets 10.5.0 10.6.0	13/06/12	RP-56	DD 120727	378	3	Correction of FDD channel selection HARQ-ACK and SR	10.5.0	10.6.0
13/06/12 RP-56 RP-120738 381 - Correction on transmission mode 9 with a single antenna port transmission 10.5.0 10.6.0 04/09/12 RP-57 RP-121265 382 - Clarification of codebook subsampling for PUCCH 2-1 10.6.0 10.7.0 04/09/12 RP-57 RP-121266 383 - Correction to UE transmit antenna selection 10.6.0 10.7.0 04/09/12 RP-57 RP-121264 384 - TDD HARQ-ACK procedure for PUCCH format 1b with channel selection in carrier aggregation 10.6.0 10.7.0 04/09/12 RP-57 RP-121265 385 - Corrections for Handling CSI-RS patterns 10.6.0 10.7.0 04/09/12 RP-57 RP-121264 386 1 Reference serving cell for pathloss estimation 10.6.0 10.7.0 04/09/12 RP-57 RP-121264 387 - Power control for PUCCH format 3 with single configured cell 10.6.0 10.7.0 04/09/12 RP-57 RP-121264 388 - ACK/NACK resource in case of channel selection 10.6.0 10.7.0								
transmission transmission transmission transmission			RP-120738		-			
10.00 10.7.0 10.00 10.00 10.7.0 10.00 10.7.0 10.00 10.7.0 10.00 10.7.0 10.00 10.7.0 10.00 10.7.0 10.00 10.7.0 10.00 10.7.	13/06/12	RP-56	RP-120738	381	-		10.5.0	10.6.0
04/09/12 RP-57 RP-121266 383 - Correction to UE transmit antenna selection 10.6.0 10.7.0 04/09/12 RP-57 RP-121264 384 - TDD HARQ-ACK procedure for PUCCH format 1b with channel selection in carrier aggregation 10.6.0 10.7.0 04/09/12 RP-57 RP-121265 385 - Corrections for Handling CSI-RS patterns 10.6.0 10.7.0 04/09/12 RP-57 RP-121264 386 1 Reference serving cell for pathloss estimation 10.6.0 10.7.0 04/09/12 RP-57 RP-121264 387 - Power control for PUCCH format 3 with single configured cell 10.6.0 10.7.0 04/09/12 RP-57 RP-121264 388 - ACK/NACK resource in case of channel selection 10.6.0 10.7.0 04/09/12 RP-57 RP-121274 380 4 Introduction of an additional special subframe configuration 10.7.0 11.0.0 04/12/12 RP-58 RP-121839 393 - Correction to the parameter ue-Category-v10xy 11.0.0 11.1.0 04/12/12 RP-58 RP-121837 395 - Correction to ferference								
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04/12/12 RP-58 RP-121837 395 - Correction of reference signal scrambling sequence initialization for SPS in transmission mode 7 11.0.0 11.1.0 04/12/12 RP-58 RP-121846 396 - Finalisation for introducing Rel-11 features 11.0.0 11.1.0 26/02/13 RP-59 RP-130254 398 - Correction on UE procedure for reporting HARQ-ACK 11.1.0 11.2.0 26/02/13 RP-59 RP-130252 400 - Corrections for SRS power scaling in UpPTS 11.1.0 11.2.0 26/02/13 RP-59 RP-130252 403 - CR on UE specific search and Common search space overlap on PDCCH 11.1.0 11.2.0 26/02/13 RP-59 RP-130358 404 - Additional clarifications/corrections for introducing Rel-11 features 11.1.0 11.2.0 11/06/13 RP-60 RP-130752 405 - Correction to EPDCCH monitoring in case of cross-carrier 11.2.0 11.3.0	04/12/12	RP-58	RP-121839	393	-	Correction to the parameter ue-Category-v10xy	11.0.0	11.1.0
11.00 10.0	04/12/12	RP-58	DD_121027	395	-		11.0.0	
26/02/13 RP-59 RP-130254 398 - Correction on UE procedure for reporting HARQ-ACK 11.1.0 11.2.0 26/02/13 RP-59 RP-130252 400 - Corrections for SRS power scaling in UpPTS 11.1.0 11.2.0 26/02/13 RP-59 RP-130252 403 - CR on UE specific search and Common search space overlap on PDCCH 11.1.0 11.2.0 26/02/13 RP-59 RP-130358 404 - Additional clarifications/corrections for introducing Rel-11 features 11.1.0 11.2.0 11/06/13 RP-60 RP-130752 405 - Correction to EPDCCH monitoring in case of cross-carrier 11.2.0 11.3.0					<u></u>			
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Correction to EPDCCH Corrections for introducing Rel-11 11.1.0 11.2.0 11.06/13 RP-60 RP-130752 405 Correction to EPDCCH monitoring in case of cross-carrier 11.2.0 11.3.0				403	-			
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RP-130350 features	26/02/13	RP-59	DD 120250	404	-	Additional clarifications/corrections for introducing Rel-11	11.1.0	11.2.0
		<u></u>	KP-130358		L	features	<u></u>	
	11/06/13	RP-60	RD-120752	405	-	Correction to EPDCCH monitoring in case of cross-carrier	11.2.0	11.3.0
<u> </u>			130732		<u> </u>			

					Change history		
Date	TSG#	TSG Doc.	CR		Subject/Comment	Old	New
11/06/13	RP-60	RP-130751	407	1	Correction on the RI bit width	11.2.0	11.3.0
11/06/13	RP-60	RP-130750		-	Correction on parallel reception of PDSCH and Msg 2	11.2.0	11.3.0
11/06/13	RP-60	RP-130747	409	-	Correction on zero power CSI-RS resource configuration	11.2.0	11.3.0
11/06/13	RP-60	RP-130750	410	1	Corrections on different TDD UL-DL configurations on different	11.2.0	11.3.0
44/00/40	DD 00		444		bands	44.0.0	44.0.0
11/06/13	RP-60	RP-130752	411	-	Correction on EPDCCH PRB pair indication	11.2.0	11.3.0
11/06/13	RP-60	RP-130752	412		Correction on EPDCCH hashing function	11.2.0	11.3.0
11/06/13	RP-60	RP-130752	413	-	Correction on PUCCH resource determination for FDD EPDCCH	11.2.0	11.3.0
11/06/13	RP-60		414	2	CR on ambiguity in EPDCCH decoding candidates under two	11.2.0	11.3.0
11/00/13	KF-00	RP-130752	414		overlapped EPDCCH resource sets	11.2.0	11.3.0
11/06/13	RP-60		415	_	Removal of the case for spatial domain bundling in TDD UL/DL	11.2.0	11.3.0
11/00/10	111 00	RP-130749	710		configuration 0	11.2.0	11.0.0
11/06/13	RP-60	RP-130752	416	-	Corrections to EPDCCH PRB pair indication	11.2.0	11.3.0
11/06/13	RP-60		417	1	Correction to PUSCH/PUCCH transmit power after PRACH	11.2.0	11.3.0
		RP-130753			power ramping .		
11/06/13	RP-60	RP-130747	418	-	CR on RI-Reference CSI Process with Subframe Sets	11.2.0	11.3.0
11/06/13	RP-60	RP-130747	420	-	Correction on UE-specific RS scrambling for SPS PDSCH in	11.2.0	11.3.0
					TM10		
11/06/13	RP-60	RP-130747	421	-	CR on resolving ambiguous UE capability signaling for CoMP	11.2.0	11.3.0
11/06/13	RP-60	RP-130750	422	-	Correction of valid downlink subframe	11.2.0	11.3.0
11/06/13	RP-60	RP-130749	424	-	Correction on HARQ-ACK transmission for a UE configured with	11.2.0	11.3.0
			45-		PUCCH format 3		1
11/06/13	RP-60	RP-130750	425	-	Correction of PHICH resource for half duplex TDD UE	11.2.0	11.3.0
11/06/13	RP-60	RP-130750	426	-	Correction on n_{HARQ} for TDD CA with different UL-DL	11.2.0	11.3.0
44/00/40	DD 60		407		configurations	44.0.0	44.0.0
11/06/13	RP-60	RP-130750	427	-	Correction on implicit HARQ-ACK resource determination for	11.2.0	11.3.0
		KF-130/30			PUCCH format 1b with channel selection for TDD CA with different UL-DL configurations		
11/06/13	RP-60	RP-130750	428	_	Correction on SRS power scaling with multiple TAGs	11.2.0	11.3.0
11/06/13	RP-60	RP-130747	429	_	Correction on MBSFN subframe configuration	11.2.0	11.3.0
11/06/13	RP-60	RP-130749	430	-	CR on SCell activation timing	11.2.0	11.3.0
03/09/13	111 00	100745	400		MCC clean-up	11.3.0	11.4.0
03/09/13	RP-61	RP-131249	432	_	Correction for EPDCCH Search Space	11.3.0	11.4.0
03/09/13	RP-61	RP-131250	433	-	Correction to QCL behaviour on CRS	11.3.0	11.4.0
03/09/13	RP-61	RP-131250	434	-	Correction on PUCCH power control	11.3.0	11.4.0
03/09/13	RP-61		435	-	Correction on the ratio of PDSCH EPRE to CRS EPRE for	11.3.0	11.4.0
		RP-131248			TM10		
03/09/13	RP-61	RP-131249	436	-	CR on EPDCCH Search Space for Cross-Carrier Scheduling	11.3.0	11.4.0
03/09/13	RP-61	RP-131249	437	-	Correction to the UE behaviour in case of collision between	11.3.0	11.4.0
		KF-131249			PRS and EPDCCH in different CP case		
03/09/13	RP-61	RP-131249	438	-	On correction to higher layer parameter name for EPDCCH	11.3.0	11.4.0
					resource mapping		
03/09/13	RP-61	RP-131248		-	Correction to PDSCH mapping for CoMP	11.3.0	11.4.0
03/12/13	RP-62	RP-131893		1	Correction on parameter ue-Category	11.4.0	11.5.0
03/12/13	RP-62	RP-131892	442	1	Correction on determination of modulation order and transport	11.4.0	11.5.0
00/40/40	DD 00		445		block size	44.4.0	11.5.0
03/12/13	RP-62	RP-132024 RP-131894	445	3	Correction on CSI reporting type and parameters Correction on deriving the length of the non-MBSFN region	11.4.0	11.5.0
03/12/13	RP-62					11.4.0	11.5.0
03/12/13 03/03/14	RP-62 RP-63	RP-131896 RP-140286		5	Introduction of Rel 12 feature for Downlink MIMO Enhancement Correction to CSI Reporting	11.5.0 12.0.0	12.0.0 12.1.0
03/03/14	RP-63	RP-140291	448	-	Clarification on PUCCH Mode 1-1 for 4Tx Dual Codebook	12.0.0	12.1.0
03/03/14	RP-63	RP-140291	450	1	Common search space monitoring for MBMS	12.0.0	12.1.0
03/03/14	RP-63	RP-140290	452	-	Introduction of new UE categories	12.0.0	12.1.0
03/03/14	RP-63	RP-140290		1	Modification to I_SRS = 0 for trigger type 1 SRS and TDD	12.0.0	12.1.0
03/03/14	RP-63	RP-140289		-	Correction to CSI processing in TM10	12.0.0	12.1.0
10/06/14	RP-64	RP-140269	459	1	Clarification on PUCCH reporting type payload size	12.1.0	12.1.0
10/06/14	RP-64		461	-	Clarification on SRS colliding with PUCCH in the same cell	12.1.0	12.2.0
15,50,17	07	RP-140858	,01		when the UE is configured with multiple TAGs	1.2.1.0	0
10/06/14	RP-64	RP-140858	462	1	Clarification on SRS antenna switching	12.1.0	12.2.0
10/06/14	RP-64	RP-140862		-	Introduction of Rel-12 LTE-Advanced features in 36.213	12.1.0	12.2.0
10/09/14	RP-65	RP-141479	464	-	Correction on SRS transmission for TDD-FDD CA	12.2.0	12.3.0
10/09/14	RP-65		465	_	Correction on beta_{offset}^{HARQ-ACK} determination for a	12.2.0	12.3.0
10/03/14	111-00	RP-141478	700	l -	UE configured with two uplink power control subframe sets	12.2.0	12.0.0
		RP-141478	466	-	Corrections for TDD eIMTA	12.2.0	12.3.0
10/09/14	RP-65				Constitution of the control		
10/09/14 10/09/14	RP-65 RP-65		467	3	ICR on HARQ-ACK Multiplexing in PUSCH for TDD-FDD CA	12.2.0	112.3 0
10/09/14	RP-65	RP-141479	467 469	3	CR on HARQ-ACK Multiplexing in PUSCH for TDD-FDD CA	12.2.0	12.3.0
			467 469		Correction to UCI embedding in case of a single serving cell	12.2.0	12.3.0
10/09/14	RP-65	RP-141479	469				

	Change history												
Date	TSG#	TSG Doc.	CR	Rev	Subject/Comment	Old	New						
10/09/14	RP-65	RP-141485	472	-	Introduction of low-cost MTC and 256QAM features	12.2.0	12.3.0						
08/12/14	RP-66	RP-142104	482	5	Introduction of Dual Connectivity, Small Cell Enhancements, NAICS, eIMTA, and TDD-FDD CA features	12.3.0	12.4.0						
08/12/14	RP-66	RP-142097	487	1	Clarification of periodic CSI feedback for subband CQI and PMI	12.3.0	12.4.0						
08/12/14	RP-66	RP-142100	491	-	Correction of the parameter CSIProcessIndex	12.3.0	12.4.0						
09/03/15	RP-67	RP-150366	492	2	Introduction of D2D feature into 36.213	12.4.0	12.5.0						
09/03/15	RP-67	RP-150363	494	1	Correction to PUCCH procedures in case of FDD Pcell and TDD Scell in TDD-FDD CA	12.4.0	12.5.0						
09/03/15	RP-67	RP-150364	498	-	Correction on higher layer parameter names for 256QAM	12.4.0	12.5.0						
09/03/15	RP-67	RP-150359	500	-	TM10 CSI-IM Interference Measurements	12.4.0	12.5.0						
09/03/15	RP-67	RP-150358	502	-	Clarification on common search reception related to MBMS	12.4.0	12.5.0						
09/03/15	RP-67	RP-150364	503	-	Correction to Discovery in Small Cell Enhancement feature	12.4.0	12.5.0						
09/03/15	RP-67	RP-150365	504	1	Corrections to Dual Connectivity feature	12.4.0	12.5.0						
15/06/15	RP-68	RP-150931	493	2	Clarification on HARQ-ACK repetition	12.5.0	12.6.0						
15/06/15	RP-68	RP-150932	497	3	Clarification on PUCCH Format 3 Resource Derivation for TDD UL/DL Configuration 5	12.5.0	12.6.0						
15/06/15	RP-68	RP-150933	506	-	Clarification on the PRACH power in subframe i2-1 for PCM2	12.5.0	12.6.0						
15/06/15	RP-68	RP-150933	507	-	Clarification on the MTA operation in PCM1	12.5.0	12.6.0						
15/06/15	RP-68	RP-150933	512	-	Correction of higher layer parameter names in dual connectivity	12.5.0	12.6.0						
15/06/15	RP-68	RP-150935	513	1	Correction on UE procedure of determining subframe pool for PSCCH and PSSCH in ProSe		12.6.0						
15/06/15	RP-68	RP-150935	514	1	Correction on UE procedure of transmitting PSCCH in ProSe 12		12.6.0						
15/06/15	RP-68	RP-150933	515	1	Correction on UL Power Control for Synchronous Dual Connectivity 1.		12.6.0						
15/06/15	RP-68	RP-150933	516	1	Correction on UL Power Control for Asynchronous Dual Connectivity		12.6.0						
15/06/15	RP-68	RP-150937	517	-	Correction to Rel-12 UE category signal name		12.6.0						
15/06/15	RP-68	RP-150936	520	-	Corrections on eIMTA RRC parameter naming 1:		12.6.0						
15/06/15	RP-68	RP-150933	521	-	Correction on Closed Loop Antenna Selection for Dual 1 Connectivity		12.6.0						
15/06/15	RP-68	RP-150935	523	-	Alignment of Prose parameter names	12.5.0	12.6.0						
14/09/15	RP-69	RP-151470	525	-	UE processing time relaxation on Type 2 Power Headroom Reporting	12.6.0	12.7.0						
14/09/15	RP-69	RP-151468	527	-	Correction of ProSe parameters	12.6.0	12.7.0						
14/09/15	RP-69	RP-151471	528	2	Clarification on power control for PCM2	12.6.0	12.7.0						
07/12/15	RP-70	RP-152034	530	1	Clarification of PUCCH resource allocation related to EPDCCH SCells	12.7.0	12.8.0						
07/12/15	RP-70	RP-152037	531	-	Clarification on the parameter notations for eIMTA	12.7.0	12.8.0						
07/12/15	RP-70	RP-152037	534	-	Correction on aperiodic CSI transmission without UL-SCH according to table 7.2.1-1C	12.7.0	12.8.0						
07/12/15	RP-70	RP-152038	535	1	Introduction of new maximum TBS for TM9/10	12.7.0	12.8.0						
07/12/15	RP-70	RP-152034	542	-	Clarification of PHICH resource assignement related to EPDCCH scheduled PUSCH	12.7.0	12.8.0						
07/12/15	RP-70	RP-152036	543	1	Modify max TA for dual connectivity	12.7.0	12.8.0						
07/12/15	RP-70	RP-152125	533	3	eD2D CR for 36.213		13.0.0						
07/12/15	RP-70	RP-152031	536	-	Introduction of Rel 13 features for SC-PTM	12.8.0	13.0.0						
07/12/15	RP-70	RP-152026	537	2	Introduction of LAA (PHY layer aspects)	12.8.0	13.0.0						
07/12/15	RP-70	RP-152026	538	5	Introduction of LAA (eNB Channel Access Procedures)		13.0.0						
07/12/15	RP-70	RP-152027	539	1	Introduction of Enhanced CA in Release 13	12.8.0	13.0.0						
07/12/15	RP-70	RP-152025	541	1	Introduction of EB/FD-MIMO	12.8.0	13.0.0						
26/01/16	Post RP-				MCC update to show correct version of the spec in the headers	13.0.0	13.0.1						
	70				of all subparts and get all of them aligned with coversheet								

						Change history	
Date	Meeting	TDoc	CR	R	Cat	Subject/Comment	New
2016-03	RAN#71	RP-160359	546	ev	F	Alignment eD2D CR for 36.213	version 13.1.0
2016-03	RAN#71	RP-160549	548	3	F	Clarification on PDSCH collision with PSS/SSS/PBCH	13.1.0
2016-03	RAN#71	RP-160357	550	1	F	Clarification on number of PRBs for PUCCH format 4	13.1.0
2016-03	RAN#71	RP-160357	554	2	F	Clarification on code rate for periodic CSI transmission on PUCCH format 4 and 5	13.1.0
2016-03	RAN#71	RP-160360	555	1	F	Clarification on Averaging of CSI Measurements in LAA	13.1.0
2016-03	RAN#71	RP-160357	559	-	F	Limit on number of periodic CSI reports	13.1.0
2016-03	RAN#71	RP-160357	560	1	F	Correction on Transmission Code Rate Determination	13.1.0
2016-03	RAN#71	RP-160360	562	-	F	CR on LAA defer and sensing duration	13.1.0
2016-03	RAN#71	RP-160357	563	-	F	Correction on aperiodic CSI only PUSCH without UL-SCH	13.1.0
2016-03	RAN#71	RP-160357	564	-	F	Correction on HARQ-ACK and periodic CSI transmission	13.1.0
2016-03	RAN#71	RP-160357	565	-	F	Correction on Simultaneous HARQ-ACK and P-CSI Transmission	13.1.0
2016-03 2016-03	RAN#71 RAN#71	RP-160358 RP-160358	566 568	1	F	CR on MR support in TM9 Correction on Subsampling of Class A Codebook	13.1.0 13.1.0
			569	-		CR on definition of LAA idle sensing for periods longer than one	
2016-03	RAN#71	RP-160360			F	CCA slot	13.1.0
2016-03	RAN#71	RP-160360	570	-	F	Correction on total sensing and transmission time for Japan	13.1.0
2016-03	RAN#71	RP-160360	571	-	F	Correction on common DCI detection of LAA in 36.213	13.1.0
2016-03 2016-03	RAN#71 RAN#71	RP-160360 RP-160360	572 573	-	F	CR on valid downlink subframe definition for TM9/10 CR on eCCE of EPDCCH for partial subframe	13.1.0 13.1.0
2016-03	RAN#71	RP-160360	576	-	F	Correction on cross-carrier scheduling in LAA	13.1.0
2016-03	RAN#71	RP-160360	577	-	F	Correction on QCL type B for LAA	13.1.0
2016-03	RAN#71	RP-160358	578	-	F	Correction on Class B CSI reporting	13.1.0
2016-03	RAN#71	RP-160358	579	-	F	CR on CRI reporting for one CSI-RS ports (36.213)	13.1.0
2016-03	RAN#71	RP-160358	580	-	F	Correction to the condition of CRI updating restriction	13.1.0
2016-03	RAN#71	RP-160358	581	-	F	Correction to the additional UpPTS symbols for SRS	13.1.0
2016-03	RAN#71	RP-160358	582	-	F	Clarification on PUCCH mode 1-1 configuration	13.1.0
2016-03	RAN#71	RP-160360	584	-	F	Correction on EPDCCH assignment in LAA	13.1.0
2016-03	RAN#71	RP-160360	585	-	F	CR for LAA CW reset per AC in case of K attempts at CWmax	13.1.0
2016-03	RAN#71	RP-160358	586	-	F	Corrections to RI-inheritance	13.1.0
2016-03	RAN#71	RP-160358	587	-	F	CR on CSI-RS resource in 36.213	13.1.0
2016-03	RAN#71	RP-160358	588	-	F	CR on mismatch between 36.213 and 36.331	13.1.0
2016-03 2016-03	RAN#71 RAN#71	RP-160357 RP-160358	589 590	-	F	Correction on CSI transmission for eCA in 36.213 Clarification on joint reports of CRI	13.1.0 13.1.0
2016-03	RAN#71	RP-160358	590	-	F	Correction to RI reference CSI process	13.1.0
2016-03	RAN#71	RP-160358	592	-	F	Corrections to Class B CSI reporting on PUCCH	13.1.0
2016-03	RAN#71	RP-160357	594	-	F	Correction on PUCCH transmission and (E)PDCCH disabling in eCA	13.1.0
2016-03	RAN#71	RP-160358	595	-	F	CSI-RS in DwPTS	13.1.0
2016-03	RAN#71	RP-160357	596	1	F	Correction on shortened PUCCH format for Rel-13 CA	13.1.0
2016-03	RAN#71	RP-160357	598	-	F	Correction on HARQ-ACK bit concatenation for PUCCH format 4 and 5	13.1.0
2016-03	RAN#71	RP-160360	599	-	F	Corrections for LAA Energy Detection Threshold	13.1.0
2016-03	RAN#71	RP-160360	0600	_	F	Correction on channel access procedure for DL LBT	13.1.0
2016-03	RAN#71	RP-160360	0601	-	F	Correction on CWS adjustment in LAA	13.1.0
2016-03	RAN#71	RP-160360	0602	-	F	Corrections for Type B Multi-channel access procedure for an LAA	13.1.0
2016-03	RAN#71	RP-160358	0603	_	' F	SCell CR on Class B CQI measurement correction	13.1.0
			0604	1		Corrections for PDCCH and EPDCCH monitoring on an LAA SCell	
2016-03	RAN#71	RP-160360		Ī	F	in 36.213	13.1.0
2016-03	RAN#71	RP-160363	0605	-	A B	Clarification on T_threshold in dual connectivity	13.1.0
2016-03	RAN#71 Post	RP-160361	0540	6	ם	Introduction of further LTE Physical Layer Enhancements for MTC MCC update to show correct version of the spec in the headers of	13.1.0
2016-03	RAN#71					all subparts and get all of them aligned with coversheet	13.1.1
2016-06	RAN#72	RP-161062	0575	2	F	Correction on SPS HARQ-ACK bit handling in case of dynamic	13.2.0
2016-06	RAN#72	RP-161063	0593	1	F	codebook configuration of eCA in 36.213 Correction to the UE's assumption on DMRS ports	13.2.0
			0608	1		Correction on HARQ-ACK ordering in case of semi-static	
2016-06	RAN#72	RP-161062	0040		F	codebook configuration of eCA	13.2.0
2016-06	RAN#72	RP-161062	0610	1	F	Correction on timing for secondary cell activation/deactivation for eCA in 36.213	13.2.0
2016-06	RAN#72	RP-161068	0611	-	Α	Correction on RRC parameter for configuring new TBSs	13.2.0
2016-06	RAN#72	RP-161063	0614	-	F	Correction to rank 5-8 FD-MIMO CSI feedback	13.2.0
2016-06	RAN#72	RP-161062	0615	-	F	Correction on aperiodic CSI reporting mode 1-0 and 1-1	13.2.0
2016-06	RAN#72	RP-161066	0616	-	F	Correction of paging PDSCH transmission for MTC UE	13.2.0
2016-06 2016-06	RAN#72 RAN#72	RP-161066 RP-161066	0618 0619	-	F	Update RRC parameter names for MTC PUCCH repetition for Msg4 for MTC	13.2.0 13.2.0
2016-06	RAN#72 RAN#72	RP-161066	0620	-	F	MPDCCH repetition for paging and random access for MTC	13.2.0
2016-06	RAN#72	RP-161066	0620	1	F	MCS field in DCI format 6-2 for paging for MTC	13.2.0
2010-00	10.011/12	131 101000	1 0021	<u>'</u>		Imag note in Dorionnat of 2 for paying for 19110	10.2.0

2016-06 RANY2 RP-161062 0622 1 F. Coding of higher layer parameter codebooksezobetermination-13 33.20								1
2016-06 RANIFZ RP-161069 0624 F Correction to the usage of undefined terminology "channel" 13.20 2016-06 RANIFZ RP-161065 0625 F Correction to the usage of undefined terminology "channel" 13.20 2016-06 RANIFZ RP-161065 0626 F F Correction to the usage of undefined terminology "channel" 13.20 2016-06 RANIFZ RP-161065 0628 F Correction to the usage of undefined terminology "channel" 13.20 2016-06 RANIFZ RP-161065 0628 F Correction to the linkage between CSF1-RS and CSI-IM for Class B 2016-06 RANIFZ RP-161065 0639 F Correction to the linkage between CSF1-RS and CSI-IM for Class B 2016-06 RANIFZ RP-161065 0639 F Correction to the linkage between CSF3-RS and CSI-IM for Class B 2016-06 RANIFZ RP-161065 0631 F Correction to the linkage between CSF3-RS and CSI-IM for Class B 2016-06 RANIFZ RP-161066 0633 Z F Correction to the linkage between CSF3-RS and CSI-IM for Class B 2016-06 RANIFZ RP-161066 0633 Z F Correction to the linkage between CSF3-RS and CSI-IM for Class B 2016-06 RANIFZ RP-161066 0633 Z F Correction to the more transmission of HARQ-ACK and SR 2016-06 RANIFZ RP-161066 0635 Z F Correction to the PDCCH candidate overflow monitoring correction for RTC 2016-06 RANIFZ RP-161066 0635 Z F Correction to the PDCCH candidate overflow monitoring correction for RTC 2016-06 RANIFZ RP-161066 0638 Z F Correction to the PDCCH candidate overflow monitoring correction for RTC 2016-06 RANIFZ RP-161066 0638 Z F Correction to the PDCCH configured by temporary C-RNT1 2016-06 RANIFZ RP-161066 0639 Z F Correction to the PDCCH configured by temporary C-RNT1 2016-06 RANIFZ RP-161066 0639 Z F Correction to the December of the PDCCH configured by the PDCCH configu	2016-06	RAN#72	RP-161062	0622	-	<u> F</u>		13.2.0
2016-06 RANNIZ RP-161065 0626 F F Correction to the usage of undefined terminology "channel" 13.20								
2016-06 RANNTZ RP-161065 0626 F Correction on channel access procedure after an additional defet plantation for DL LBT processing 13.2.0					-			
13.20	2016-06	RAN#72	RP-161065		-	ט	· · · · · · · · · · · · · · · · · · ·	13.2.0
2016-06 RANYZ RP-161065 0628 F Correction on the linkage between CSI-RS and CSI-Mith for Class B 13.20	2016-06	RAN#72	RP-161065	0626	-	F		13.2.0
2016-06 RANWT2 RP-161063 0629 F F MCS Table for Initial Parlial TTI In LAA 13.2.0 2016-06 RANWT2 RP-161063 0629 F Correction for the linkage between CSI-RS and CSI-IM for Class 13.2.0 2016-06 RANWT2 RP-161065 0631 F Correction on the linkage between CSI-RS and CSI-IM for Class 13.2.0 2016-06 RANWT2 RP-161066 0631 F Correction on "special subframe" for frame structure type 3 in 3.2.0 2016-06 RANWT2 RP-161066 0633 S F Gorrections on simultaneous transmission of HARQ-ACK and SR 3.2.0 2016-06 RANWT2 RP-161066 0633 S F Correction on S-213 for eMTC 13.2.0 2016-06 RANWT2 RP-161066 0635 T F Correction on M-PDCCH configured by temporary C-RNTI 13.2.0 2016-06 RANWT2 RP-161066 0635 T F Correction on M-PDCCH configured by temporary C-RNTI 13.2.0 2016-06 RANWT2 RP-161066 0635 T F Correction on S-213 for eMTC 13.2.0 2016-06 RANWT2 RP-161066 0638 T F Correction on S-214 for MPCCH configured by temporary C-RNTI 13.2.0 2016-06 RANWT2 RP-161066 0639 T F Correction on M-PDCCH configured by temporary C-RNTI 13.2.0 2016-06 RANWT2 RP-161066 0638 T F Correction on M-PDCCH configured by temporary C-RNTI 13.2.0 2016-06 RANWT2 RP-161066 0639 T F Correction on M-PDCCH configured by temporary C-RNTI 13.2.0 2016-06 RANWT2 RP-161066 0639 T F Correction on M-PDCCH configured by temporary C-RNTI 13.2.0 2016-06 RANWT2 RP-161066 0641 T F Configured by temporary C-RNTI 13.2.0 2016-06 RANWT2 RP-161066 0641 T F Configured by T 13.2.0 2016-06 RANWT2 RP-161066 0641 T F Configured by T 13.2.0 2016-06 RANWT2 RP-161066 0641 T F Configured by T 13.2.0 2016-06 RANWT2 RP-161066 0641 T F Configured by T 13.2.0 2016-06 RANWT2 RP-161066 0641 T F Configured by T 13.2.0 2016-06 RANWT2 RP-161066 0641 T F Configured by T 13.2.0 2016-06	2016.06	D / NI#72	DD 161204	0627	1			12 2 0
2016-06 RAN#72 RP-161063 0629 . F Correction for the linkage between CSI-RS and CSI-Min for Class B 13.20					-			
2016-06 RANR72 RP-161086 0631 F Correction for HARQ-ACK Codebook Determination in eCA 13.2.0 13					-			
2016-06 RAN#72 RP-161066 0631 . F Clarification on "special subframe" for fame structure type 3 in 3.2.0 2016-06 RAN#72 RP-161066 0632 . F Corrections on simultaneous transmission of HARQ-ACK and SR 3.2.0 2016-06 RAN#72 RP-161066 0634 . F Correction to TS 3.6.2.13 2016-06 RAN#72 RP-161066 0634 . F Correction to TS 3.6.2.13 for eMTC 13.2.0 2016-06 RAN#72 RP-161066 0636 . F Correction on TS 3.6.2.13 for eMTC 13.2.0 2016-06 RAN#72 RP-161066 0636 . F Correction on TS-95 for MPDC-CH configured by temporary C-RNT1 3.2.0 2016-06 RAN#72 RP-161066 0637 2 F Correction on CSS for MPDC-CH configured by temporary C-RNT1 3.2.0 2016-06 RAN#72 RP-161066 0639 . F Correction on DPSCH transmission imming for Rel-13 eMTC 13.2.0 2016-06 RAN#72 RP-161066 0639 . F Correction on DPSCH transmission imming for Rel-13 eMTC 13.2.0 2016-06 RAN#72 RP-161066 0639 . F Correction on DPSCH transmission imming for Rel-13 eMTC 13.2.0 2016-06 RAN#72 RP-161066 0639 . F Correction on DPSCH transmission imming for Rel-13 eMTC 13.2.0 2016-06 RAN#72 RP-161066 0640 . F Correction on DPSCH transmission imming for Rel-13 eMTC 13.2.0 2016-06 RAN#72 RP-161066 0640 . F Correction on DPSCH transmission imming for Rel-13 eMTC 13.2.0 2016-06 RAN#72 RP-161066 0640 . F Correction on Rel-10 eMTC 10.2.0 2016-06 RAN#72 RP-161066 0640 . F Correction on Rel-10 eMTC 10.2.0 2016-06 RAN#72 RP-161066 0645 . F Correction on Rel-10 eMTC 10.2.0 2016-06 RAN#72 RP-161066 0645 . F Correction on Rel-10 eMTC 10.2.0 2016-06 RAN#72 RP-161066 0645 . F Correction on Rel-10 eMTC 10.2.0 2016-06 RAN#72 RP-161066 0645 . F Correction on Rel-10 eMTC 10.2.0 2016-06 RAN#72 RP-161066 0645 . F Correction on Rel-10 eMTC 10.2.0 2016-06 RAN#72 RP-161066 0645 . F Correction					-			
2016-06 RAN#72 RP-161062 GS2 F Gorrections on simultaneous transmission of HARQ-ACK and SR 3.2.0	2016-06	KAN#12	KP-101002		-	Г		13.2.0
2016-06 RAMPT2 RP-161062 0633 2 F Descriptions on simultaneous transmission of HARQ-ACK and SR 13.2.0 2016-06 RAMPT2 RP-161066 0633 2 F Description in TS 36.213 for eMTC 13.2.0 2016-06 RAMPT2 RP-161066 0636 1 F Correction on IN-PDCCH case definition 13.2.0 2016-06 RAMPT2 RP-161066 0636 1 F Correction on CSF for MPCCH configured by temporary C-RNTI 13.2.0 2016-06 RAMPT2 RP-161066 0639 2 F Correction on CSF for MPCCH configured by temporary C-RNTI 13.2.0 2016-06 RAMPT2 RP-161066 0639 5 F Correction on CSF for MPCCH configured by temporary C-RNTI 13.2.0 2016-06 RAMPT2 RP-161066 0639 7 F Correction on PDSCH transmission timing for Rel-13 eMTC 2016-06 RAMPT2 RP-161066 0639 7 F Correction on PDSCH transmission timing for Rel-13 eMTC 2016-06 RAMPT2 RP-161066 0639 7 F Correction on PDSCH transmission timing for Rel-13 eMTC 2016-06 RAMPT2 RP-161066 0640 7 F Correction on PDSCH transmission timing for Rel-13 eMTC 2016-06 RAMPT2 RP-161066 0640 7 F Correction on PDSCH transmission timing for Rel-13 eMTC 2016-06 RAMPT2 RP-161066 0640 7 F Correction of TM1/26 on MBSFN subtrames 13.2.0 2016-06 RAMPT2 RP-161066 0641 7 F Calmification of TM1/26 on MBSFN subtrames 13.2.0 2016-06 RAMPT2 RP-161066 0644 7 F Calmification of TM1/26 on MBSFN subtrames 13.2.0 2016-06 RAMPT2 RP-161066 0644 7 F Calmification of TM1/26 on MBSFN subtrames 13.2.0 2016-06 RAMPT2 RP-161066 0644 7 F Calmification of TM1/26 on MBSFN subtrames 13.2.0 2016-06 RAMPT2 RP-161066 0654 F F Calmification of TM1/26 on MBSFN subtrames 13.2.0 2016-06 RAMPT2 RP-161066 0654 F Calmification of TM1/26 on MBSFN subtrames 13.2.0 2016-06 RAMPT2 RP-161066 0656 F F Calmification of TM1/26 on MBSFN subtrames 13.2.0 2016-06 RAMPT2 RP-161066 0656 F F Calmification of TM1/26 on MBSFN	2016-06	RAN#72	RP-161065	0031	-	F		13.2.0
13.20				0632	_			
2016-06 RAMPT2 RP-161066 0633 2 F MDPCCH candidate overflow monitoring correction for eMTC 13.20	2016-06	RAN#72	RP-161062	0032	_	F		13.2.0
2016-06 RAM#72 RP-161066 0634 F Correction to TS 36.213 for aMTC 13.2.0	2016-06	RΔN#72	RP-161066	0633	2	F		13 2 0
2016-06 RAN#72 RP-161066 0630 1 F Correction on M-PDCCH case definition 12.20								
2016-06 RAN#72 RP-161066 Cost RP-161066 Cost RP-161066 RAN#72 RP-161066 Cost RP-161066					1			
2016-06 RAN#72 RP-161066 0637 2 F F F F F F F F F								
2016-06 RAN#T2 RP-161066 C637 2 F statically scheduled data for Rel-13 eMTC 13.2.0	2016-06	RAN#72	RP-161066	0030	_	F		13.2.0
Statically scheduled data for Rel-13 eMTC 13.2.0				0637	2			
2016-06 RAN#72 RP-161066 0639 F Correction on PDSCH transmission timing for Rel-13 eMTC 13.2.0	2016-06	RAN#72	RP-161066	0007	_	F		13.2.0
2016-06 RAN#72 RP-161066 0639 Face 32-13	2016-06	RAN#72	RP-161066	0638	1	F		13.2.0
2016-06 RAN#72 RP-161066 0639 F Government RP-161066 RAN#72 RP-161066 0644 F G Government Government RP-161066 GAN#72 RP-161066 0646 F G Government Gove					-			
2016-06 RAN#72 RP-161066 0639 Face Section Section Section Section RAN#72 RP-161066 0640 Face RAN#72 RP-161066 0641 Face Face Collision between PUCCH format 2 and PDSCH with repetitions 13.2.0	2016-06	RAN#72	RP-161066	0000		F		13.2.0
2016-06 RAN#72 RP-161066 0640 F Collision between PUCCH format 2 and PDSCH with repetitions 13.2.0			DD / 0 / 0 0 0	0639	-	_		
2016-06 RAN#72 RP-161066 0644 - F Carrection of TM1/2/6 on MBSFN subframes 13.2.0	2016-06	RAN#72	RP-161066			F		13.2.0
2016-06 RAN#72 RP-161066 0641 - F Clarification of TM1/2/6 on MBSFN subtrames 13.2.0 2016-06 RAN#72 RP-161066 0642 - F Correction of fallback behavior for TM9 13.2.0 2016-06 RAN#72 RP-161066 0644 1 F Correction on RV and MPDCCH starting position 13.2.0 2016-06 RAN#72 RP-161065 0645 - F Collision between PSS/SSS/PBCH and PDSCH for MTC 13.2.0 2016-06 RAN#72 RP-161065 0646 - F CR for TS38.213 related to 2-4 PRB set 132.0 2016-06 RAN#72 RP-161065 0649 - F CR for TS38.213 related to 2-44 PRB set 132.0 2016-06 RAN#72 RP-161065 0659 - F CR for TS38.213 related to 2-44 PRB set 132.0 2016-06 RAN#72 RP-161065 0651 - F CR for TS38.213 related to 2-44 PRB set 132.0 2016-06 RAN#72 RP-161066 0653 1 F <td>2016-06</td> <td>RAN#72</td> <td>RP-161066</td> <td>0640</td> <td>-</td> <td>F</td> <td>Collision between PUCCH format 2 and PDSCH with repetitions</td> <td>13.2.0</td>	2016-06	RAN#72	RP-161066	0640	-	F	Collision between PUCCH format 2 and PDSCH with repetitions	13.2.0
2016-06 RAN#72 RP-161066 0642 - F Correction of fallback behavior for TM9 13.2.0 2016-06 RAN#72 RP-161066 0643 - F Correction on RV and MPDCCH starting position 13.2.0 2016-06 RAN#72 RP-161066 0644 1 F Collision between PSS/SSS/PBCH and PDSCH for MTC 13.2.0 2016-06 RAN#72 RP-161065 0645 - F CR for 36.213 on multi-channel access procedure Type A2 in LAA 13.2.0 2016-06 RAN#72 RP-161065 0647 - F CR for 536.213 related to 2-4 PRB set 13.2.0 2016-06 RAN#72 RP-161065 0650 - F CR on CSI-RS ID configuration for TM9 in TS 36.213 13.2.0 2016-06 RAN#72 RP-161065 0650 - F CR on clarification for channel sensing 13.2.0 2016-06 RAN#72 RP-161066 0653 1 F EMTC MPDCCH corrections for 36.213 13.2.0 2016-06 RAN#72 RP-161066 0657 - F Starting OFDM symbol for SIB1-BR for BL/CE UE 13.2.0 2016	2016-06	RAN#72	RP-161066		-	F		13.2.0
2016-06 RANH#72 RP-161066 0643 - F Correction on RV and MPDCCH starting position 13.20 2016-06 RANH#72 RP-161066 0644 1 F Collision between PSS/SSS/PBCH and PDSCH for MTC 13.20 2016-06 RANH#72 RP-161065 0645 - F CR for 38.213 on multi-channel access procedure Type A2 in LAA 13.2.0 2016-06 RANH#72 RP-161065 0646 - F CR for TS36.213 related to 2*4 PRB set 13.2.0 2016-06 RANH#72 RP-161065 0649 - F CR for SB.518 iD configuration for TM9 in TS 36.213 13.2.0 2016-06 RANH#72 RP-161065 0650 - F CR for the contention window adjustment procedure in LAA 13.2.0 2016-06 RANH#72 RP-161066 0651 - F CR for the contention window adjustment procedure in LAA 13.2.0 2016-06 RANH#72 RP-161066 0653 1 F EMTC MPDCCH corrections for 36.213 13.2.0 2016-06 RANH#72 R		RAN#72	RP-161066		-	F	Correction of fallback behavior for TM9	
2016-06 RAN#72 RP-161066 0644 1 F Collision between PSS/SSS/PBCH and PDSCH for MTC 13.2.0 2016-06 RAN#72 RP-161065 0645 - F CR for 36.213 on multi-channel access procedure Type A2 in LAA 13.2.0 2016-06 RAN#72 RP-161065 0646 - F CR for TS36.213 related to 2+4 PRB set 13.2.0 2016-06 RAN#72 RP-161065 0640 - F CR on CSI-RS ID configuration for TM9 in TS 36.213 13.2.0 2016-06 RAN#72 RP-161065 0650 - F CR on clarification for channel sensing 13.2.0 2016-06 RAN#72 RP-161065 0653 1 F CR for the comention window adjustment procedure in LAA downlink channel access 13.2.0 2016-06 RAN#72 RP-161066 0653 1 F EMTC MPDCCH corrections for 36.213 13.2.0 2016-06 RAN#72 RP-161066 0657 - F Starting OFDM symbol for SIB1-BR for BL/CE UE 13.2.0 2016-06 RAN#72 RP-					-			
2016-06 RAN#72 RP-161065 0645 - F CR for TS3.213 on multi-channel access procedure Type A2 in LAA 13.20 2016-06 RAN#72 RP-161063 0647 - F CR for TS3.6.213 related to 2+4 PRB set 13.20 2016-06 RAN#72 RP-161065 0649 - F CR on CSI-RS ID configuration for TM9 in TS 36.213 13.20 2016-06 RAN#72 RP-161065 0649 - F CR for the Contention or Cannol Sensing 13.20 2016-06 RAN#72 RP-161065 0651 - F CR for the contention window adjustment procedure in LAA 13.20 2016-06 RAN#72 RP-161066 0653 1 F CR for the contention window adjustment procedure in LAA 13.20 2016-06 RAN#72 RP-161064 0654 - F Correction on search space to decode the PDCCH configured by downlink channel access 13.20 2016-06 RAN#72 RP-161066 0656 1 B Introduction of NB-10T 13.20 2016-06 RAN#72 <					1			
2016-06 RAN#72 RP-161065 0646 - F CR for T336.213 related to 2-4 PRB set 13.2.0					-			
2016-06 RAN#72 RP-161065 0649 F CR n CSI-RS ID configuration for TM9 in TS 36.213 13.20					_			
2016-06 RAN#72 RP-161065 0650 - F CR on clarification for channel Access Procedure 13.2.0					_			
2016-06 RAN#72 RP-161065 O650 - F CR on clarification for channel sensing 13.2.0								
2016-06 RAN#72 RP-161065 O651 F Correction window adjustment procedure in LAA downlink channel access O652 O7 O656 O657 O7 O7 O7 O7 O7 O7 O7					_			
2016-06 RAN#72 RP-161065 G653 1 F downlink channel access G3.213 Gave Gav	2010-00	NAIN#12	KF-101003		_			13.2.0
2016-06 RAN#72 RP-161066 0653 1 F eMTC MPDCCH corrections for 36.213 13.2.0	2016-06	RAN#72	RP-161065	0031	_	F		13.2.0
2016-06 RAN#72 RP-161064 0654 - F Correction on search space to decode the PDCCH configured by the SC-N-RNTI 13.2.0 2016-06 RAN#72 RP-161066 0656 1 B Introduction of NB-IoT 13.2.0 2016-06 RAN#72 RP-161066 0658 - F Starting OFDM symbol for SIB1-BR for BL/CE UE 13.2.0 2016-06 RAN#72 RP-161066 0658 - F Collision between SIB1-BR and SI message for BL/CE UE 13.2.0 2016-06 RAN#72 RP-161066 0660 3 F MPDCCH search space for random access in connected mode for BL/CE UE 13.2.0 2016-06 RAN#72 RP-161066 0662 - F Definition of number of MPDCCH repetitions for BL/CE UE 13.2.0 2016-06 RAN#72 RP-161063 0666 - F CR on FD-MIMO codebooks (36.213) 13.2.0 2016-06 RAN#72 RP-161063 0666 - F CR on CSI-Reporting-Type in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0669 - F Introduction of 60ms periodicity for wideband CQI/PMI reporting 13.2.0 2016-06 RAN#72 RP-161066 0669 - F Introduction of 60ms periodicity for wideband CQI/PMI reporting 13.2.0 2016-06 RAN#72 RP-161066 0667 - F CR on MPDCCH quasi co-location 13.2.0 2016-06 RAN#72 RP-161066 0670 - F Correction on UE assumption on DMRS ports 13.2.0 2016-06 RAN#72 RP-161066 0671 - F Correction on UE assumption on DMRS ports 13.2.0 2016-06 RAN#72 RP-161066 0673 - F Correction on NSQ Frequent on TMS 13.2.0 2016-06 RAN#72 RP-161066 0673 - F Correction on NSQ Frequent on TMS 13.2.0 2016-06 RAN#72 RP-161066 0674 - F Correction on NSQ Frequent on TMS 13.2.0 2016-06 RAN#72 RP-161066 0675 - F Correction on NSQ Frequent on TMS 2016-06 RAN#72 RP-161066 0674 - F Correction on NSQ Frequent on TMS 2016-06 RAN#72 RP-161066 0674 - F Correction on SRS Frequency location in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0678 - F Correction on NSQ Frequent on TMS 2016-06 RAN#72 RP-161066 0684 -	2016-06	P 4 NI#72	PP-161066	0653	1	F		13 2 0
2016-06					-			
2016-06 RAN#72 RP-161067 0656 1 B Introduction of NB-IoT 13.2.0	2016-06	RAN#72	RP-161064	0004		F		13.2.0
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2016-06 RAN#72 RP-161066 0662 - F Definition of number of MPDCCH repetitions for BL/CE UE 13.2.0 2016-06 RAN#72 RP-161063 0663 - F PRB locations for Type0 MPDCCH search space for BL/CE UE 13.2.0 2016-06 RAN#72 RP-161063 0666 - F CR on FD-MIMO codebooks (36.213) 13.2.0 2016-06 RAN#72 RP-161070 0668 - F CR on CSI-Reporting-Type in TS 36.213 13.2.0 2016-06 RAN#72 RP-161060 0669 - B Introduction of 60ms periodicity for wideband CQI/PMI reporting 13.2.0 2016-06 RAN#72 RP-161066 0670 - F Introduction of 60ms periodicity for wideband CQI/PMI reporting 13.2.0 2016-06 RAN#72 RP-161066 0671 - F CR on MPDCCH AL and search space for 8 EREGs per ECCE in TS 36.2.13 13.2.0 2016-06 RAN#72 RP-161063 0672 - F Correction on UE assumption on DMRS ports 13.2.0 2016-06 RAN#72 </td <td>2016-06</td> <td>RAN#72</td> <td>RP-161066</td> <td>0000</td> <td>5</td> <td>F</td> <td></td> <td>13.2.0</td>	2016-06	RAN#72	RP-161066	0000	5	F		13.2.0
2016-06 RAN#72 RP-161066 0663 - F PRB locations for Type0 MPDCCH search space for BL/CE UE 13.2.0 2016-06 RAN#72 RP-161063 0666 - F CR on FD-MIMO codebooks (36.213) 13.2.0 2016-06 RAN#72 RP-161063 0667 - F CR on CSI-Reporting-Type in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0669 - F Introduction of 60ms periodicity for wideband CQI/PMI reporting 13.2.0 2016-06 RAN#72 RP-161066 0669 - F Introduction of 60ms periodicity for wideband CQI/PMI reporting 13.2.0 2016-06 RAN#72 RP-161066 0670 - F Introduction of 60ms periodicity for wideband CQI/PMI reporting 13.2.0 2016-06 RAN#72 RP-161066 0671 - F Con MPDCCH quasi co-location 13.2.0 2016-06 RAN#72 RP-161066 0673 - F A-CSI Reporting for TM6 13.2.0 2016-06 RAN#72 RP-161066 0674 </td <td>2016-06</td> <td>RAN#72</td> <td>RP-161066</td> <td>0662</td> <td>_</td> <td>F</td> <td></td> <td>13 2 0</td>	2016-06	RAN#72	RP-161066	0662	_	F		13 2 0
2016-06 RAN#72 RP-161063 0666 F F CR on FD-MIMO codebooks (36.213) 13.2.0					_			
2016-06 RAN#72 RP-161063 0667 - F CR on CSI-Reporting-Type in TS 36.213 13.2.0								
2016-06 RAN#72 RP-161060 0668 - B Introduction of 60ms periodicity for wideband CQI/PMI reporting 13.2.0								
2016-06 RAN#72 RP-161066 0669 - F Introduction of 60ms periodicity for wideband CQI/PMI reporting 13.2.0 2016-06 RAN#72 RP-161066 0670 - F On MPDCCH AL and search space for 8 EREGs per ECCE in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0671 - F CR on MPDCCH quasi co-location 13.2.0 2016-06 RAN#72 RP-161063 0672 - F Correction on UE assumption on DMRS ports 13.2.0 2016-06 RAN#72 RP-161066 0673 - F A-CSI Reporting for TM6 13.2.0 2016-06 RAN#72 RP-161066 0674 - F Corrections on CSI Reporting 13.2.0 2016-06 RAN#72 RP-161066 0675 - F Correction on RV determination for PUSCH in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0677 - F Correction on Msg3 PUSCH repetition level in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0679								
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2016-06 RAN#72 RP-161063 0672 - F Correction on UE assumption on DMRS ports 13.2.0 2016-06 RAN#72 RP-161066 0673 - F A-CSI Reporting for TM6 13.2.0 2016-06 RAN#72 RP-161066 0674 - F Corrections on CSI Reporting 13.2.0 2016-06 RAN#72 RP-161066 0675 - F Correction on RV determination for PUSCH in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0677 - F Clarification on Msg3 PUSCH repetition level in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0678 - F Correction on SRS frequency location in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0679 - F Correction on PDSCH reception timing for eMTC 13.2.0 2016-06 RAN#72 RP-161066 0681 - F Clarification on starting subframe for MPDCCH 13.2.0 2016-06 RAN#72 RP-161066 0682 -	2016-06	RAN#72	RP-161066	0671	_	F		13 2 0
2016-06 RAN#72 RP-161066 0673 - F A-CSI Reporting for TM6 13.2.0 2016-06 RAN#72 RP-161066 0674 - F Corrections on CSI Reporting 13.2.0 2016-06 RAN#72 RP-161066 0675 - F Correction on RV determination for PUSCH in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0677 - F Clarification on Msg3 PUSCH repetition level in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0678 - F Correction on SRS frequency location in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0679 - F Correction on PDSCH reception timing for eMTC 13.2.0 2016-06 RAN#72 RP-161066 0680 1 F Correcting configuration parameter for number of PRB-pairs 13.2.0 2016-06 RAN#72 RP-161066 0681 - F Clarification on starting subframe for MPDCCH 13.2.0 2016-06 RAN#72 RP-161066 0683								
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2016-06 RAN#72 RP-161066 0677 - F Clarification on Msg3 PUSCH repetition level in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0678 - F Correction on SRS frequency location in TS 36.213 13.2.0 2016-06 RAN#72 RP-161066 0679 - F Correction on PDSCH reception timing for eMTC 13.2.0 2016-06 RAN#72 RP-161066 0680 1 F Correcting configuration parameter for number of PRB-pairs 13.2.0 2016-06 RAN#72 RP-161066 0681 - F Clarification on starting subframe for MPDCCH 13.2.0 2016-06 RAN#72 RP-161066 0682 - F MCS for Random Access Response Grant 13.2.0 2016-06 RAN#72 RP-161061 0684 - F Correction on UCI multiplexing on PUSCH 13.2.0 2016-06 RAN#72 RP-161066 0685 - F Correction on PDSCH transmission scheme assumed for TM9 CSI reference resource in TS 36.213 13.2.0 2016-06 RA					-			
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2016-06 RAN#72 RP-161066 0680 1 F Correcting configuration parameter for number of PRB-pairs 13.2.0 2016-06 RAN#72 RP-161066 0681 - F Clarification on starting subframe for MPDCCH 13.2.0 2016-06 RAN#72 RP-161066 0682 - F MCS for Random Access Response Grant 13.2.0 2016-06 RAN#72 RP-161060 0683 2 F Correction on UCI multiplexing on PUSCH 13.2.0 2016-06 RAN#72 RP-161061 0684 - F Correction on RLM for PSCell in dual connectivity 13.2.0 2016-06 RAN#72 RP-161066 0685 - F Correction on PDSCH transmission scheme assumed for TM9 CSI reference resource in TS 36.213 13.2.0 2016-06 RAN#72 RP-161065 0686 - F CR on clarification for channel sensing 13.2.0 2016-06 RAN#72 RP-161065 0687 - F CR on CWp adjustment 13.2.0					-			
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2016-06 RAN#72 RP-161065 0686 - F CR on clarification for channel sensing 13.2.0 2016-06 RAN#72 RP-161065 0687 - F CR on CWp adjustment 13.2.0	2016-06	RAN#72	RP-161066	0685	-	F		13.2.0
2016-06 RAN#72 RP-161065 0687 - F CR on CWp adjustment 13.2.0				000-				
					-			
2016-06 RAN#72 RP-161066 0688 - F Clarification of CSI measurements 13.2.0					-			
	2016-06	RAN#72	RP-161066	0688	-	F	Clarification of CSI measurements	13.2.0

2016-09	RAN#73	RP-161563	0689	1	F	Correction on random access procedure for NB-IoT on TS 36.213	13.3.0
2016-09	RAN#73	RP-161563	0690	-	F	Correction on NPDCCH related procedure on TS 36.213	13.3.0
2016-09	RAN#73	RP-161563	0691	-	F	Corrections to RRC parameter names for NB-IoT in TS 36.213	13.3.0
2016-09	RAN#73	RP-161563	0692	1	F	Corrections on NPDSCH related procedure in TS 36.213	13.3.0
2016-09	RAN#73	RP-161560	0693	-	F	Correction on FD-MIMO codebook in 36.213	13.3.0
2016-09	RAN#73	RP-161560	0694	-	F	Correction on RRC paremeters for SRS enhancement in 36.213	13.3.0
2016-09	RAN#73	RP-161562	0695	-	F	Transport block size determination for Msg2	13.3.0
2016-09	RAN#73	RP-161563	0696	-	F	Correction on NPUSCH related procedure on TS 36.213	13.3.0
2016-09	RAN#73	RP-161562	0698	-	F	Correction on the reference of narrowband definition in TS 36.213	13.3.0
2016-09	RAN#73	RP-161562	0699	-	F	Correction on the relationship between IMCS and ITBS for DCI format 6-1A in TS 36.213	13.3.0
2016-09	RAN#73	RP-161562	0700	1	F	Correction on the scrambling initialization for SIB1-BR and SI for eMTC in TS 36.213	13.3.0
2016-09	RAN#73	RP-161563	0701	-	F	Corrections on NPDCCH search space for random access in connected mode in TS 36.213	13.3.0
2016-09	RAN#73	RP-161558	0706	1	Α	Correction on storing soft channel bits for different UE categories	13.3.0
			0708	_		in Rel-13 Correction on the citation of table indexs for mapping of ICRI to	
2016-09	RAN#73	RP-161560	0708	-	F	MCRI	13.3.0
2016-09	RAN#73	RP-161560	0710	-	F	Corrections on Codebooks in 36.213	13.3.0
2016-09	RAN#73	RP-161562	0711	-	F	Default max number of PUSCH repetitions for Msg3 for BL/CE UE	13.3.0
2016-09	RAN#73	RP-161562	0714	1	F	PDSCH start subframe in TDD for BL/CE UE	13.3.0
2016-09	RAN#73	RP-161562	0715	-	F	Repetition with aperiodic CSI for BL/CE UE	13.3.0
2016-09	RAN#73	RP-161561	0718	-	F	Correction on "special subframe" for frame structure type 3 in	13.3.0
	_					36.213 for Rel-13 LAA	
2016-09	RAN#73	RP-161559	0719	-	F	Clarification on HARQ-ACK transmission	13.3.0
2016-09	RAN#73	RP-161562	0720	1	F	Correction for UL grant size in RAR	13.3.0
2016-09	RAN#73	RP-161562	0721	2	F	MBSFN subframes and SIB2 decoding	13.3.0
2016-09	RAN#73	RP-161562	0722	1	F	Overriding of invalid subframe for msg3 PUSCH when R=1	13.3.0
2016-09	RAN#73	RP-161562	0723	-	F	On the mapping of TPC command field to power correction values in TS 36.213	13.3.0
2016-09	RAN#73	RP-161562	0724	-	F	Correction on the MPDCCH scheduling Paging in special subframe in TS 36.213	13.3.0
2016-09	RAN#73	RP-161562	0725	1	F	Clarification of valid subframe in eMTC	13.3.0
2016-09	RAN#73	RP-161563	0726	-	F	Quasi-colocation of NB-IoT antenna ports	13.3.0
2016-09	RAN#73	RP-161562	0728	1	F	PUCCH resource allocation	13.3.0
2016-09	RAN#73	RP-161562	0729	1	F	RV version for PDSCH carrying paging	13.3.0
2016-09	RAN#73	RP-161735	0730	1	F	Missing definition of higher layer parameter eutra-CRS- SequenceInfo	13.3.0
2016-09	RAN#73	RP-161563	0731	-	F	PUSCH timing delay for NB-IoT	13.3.0
2016-09	RAN#73	RP-161562	0732	-	F	RV Cycling for PUSCH and PDSCH	13.3.0
2016-09	RAN#73	RP-161563	0734	-	F	Clarification of scheduling delay	13.3.0
2016-09	RAN#73	RP-161562	0736	-	F	Clarification on MPDCCH monitoring on SFN rollover and search space overlap	13.3.0
2016-09	RAN#73	RP-161562	0737	-	F	PUCCH transmission and invalid subframes	13.3.0
2016-09	RAN#73	RP-161562	0738	-	F	SRS bit in DCI	13.3.0
2016-09	RAN#73	RP-161563	0739	-	F	Clarification of NB-IoT DL subframe configuration	13.3.0
2016-09	RAN#73	RP-161560	0740	-	F	Correction on FD-MIMO codebooks	13.3.0
2016-09	RAN#73	RP-161561	0741	1	F	CR on LAA post transmission backoff	13.3.0
2016-09	RAN#73	RP-161797	0745	1	F	CR to remove the incorrect implementation of LAA defer and sensing duration introduced by the unapproved CR R1-161166	13.3.0
2016-09	RAN#73	RP-161572	0709	2	В	Addition of LTE_LATRED_L2-Core	14.0.0
2016-09	RAN#73	RP-161571	0742	-	В	Introduction of eLAA (PHY layer aspects) in 36.213	14.0.0
2016-09	RAN#73	RP-161803	0743	1	В	Introduction of eLAA (UL Channel Access Procedure) in 36.213	14.0.0
2016-09	RAN#73	RP-161570	0744	-	В	Introduction of V2V into TS36.213	14.0.0
2016-12	RAN#74	RP-162359	0747	-	Α	Correction on the determination of NPDCCH candidates	14.1.0
2016-12	RAN#74	RP-162362	0748	-	В	Introduction of RACHless handover for Further mobility enhancement in LTE	14.1.0
2016-12	RAN#74	RP-162356	0757	-	Α	Correction to PUCCH reporting mode 2-1	14.1.0
2016-12	RAN#74	RP-162356	0758	-	Α	Correction to PUCCH reporting mode 1-1	14.1.0
2016-12	RAN#74	RP-162368	0759	-	F	Correction on UL grant reception in ending partial subframe	14.1.0
2016-12	RAN#74	RP-162368	0760	-	F	Correction on UL burst scheduling	14.1.0
2016-12	RAN#74	RP-162368	0761	-	F	CR on PHICH operation for eLAA in 36.213	14.1.0
2016-12	RAN#74	RP-162368	0762	_	F	Correction on handling UL LBT procedure under UE power limited case	14.1.0
2016-12	RAN#74	RP-162358	0765	-	Α	Clarification on spectral efficiency	14.1.0
2016-12	RAN#74	RP-162358	0766 0768	2	A	Aperiodic CSI without MPDCCH frequency hopping Correction on equation for MPDCCH search space and starting	14.1.0
2016-12	RAN#74	RP-162358		-	A	subframe position	14.1.0
2016-12	RAN#74 RAN#74	RP-162358 RP-162359	0771 0772	-	A	Clarification of number of repetitions of PUCCH Clarification on nrs-Power related description	14.1.0 14.1.0
2016-12	13/313///7						

2016-12 RAN#74 RP-162368 0773 - F Removal of LAA DRS channel access from UI Access description 2016-12 RAN#74 RP-162368 0774 - D CR on UL duration and offset field in TS 36.21 2016-12 RAN#74 RP-162368 0775 - F Correction on channel access priority class act type indication in eLAA 2016-12 RAN#74 RP-162368 0776 1 F Correction on periodic CSI transmission 2016-12 RAN#74 RP-162368 0778 - F CR on UL CWS adjustment for eLAA in 36.21	14.1.0
2016-12 RAN#74 RP-162368 0774 - D CR on UL duration and offset field in TS 36.21 2016-12 RAN#74 RP-162368 0775 - F Correction on channel access priority class actype indication in eLAA 2016-12 RAN#74 RP-162368 0776 1 F Correction on periodic CSI transmission 2016-12 RAN#74 RP-162368 0778 - F CR on UL CWS adjustment for eLAA in 36.21	13 14.1.0
2016-12 RAN#74 RP-162368 0775 - F Correction on channel access priority class actype indication in eLAA 2016-12 RAN#74 RP-162368 0776 1 F Correction on periodic CSI transmission 2016-12 RAN#74 RP-162368 0778 - F CR on UL CWS adjustment for eLAA in 36.21	
2016-12 RAN#74 RP-162368 0776 1 F Correction on periodic CSI transmission 2016-12 RAN#74 RP-162368 0778 - F CR on UL CWS adjustment for eLAA in 36.21	
2016-12 RAN#74 RP-162368 0778 - F CR on UL CWS adjustment for eLAA in 36.21	
	3 14.1.0 14.1.0
2016-12 RAN#74 RP-162368 0779 1 F CR on trigger monitoring timeline for triggered	
2016-12 RAN#74 RP-162368 0779 1 F CR on trigger monitoring timeline for triggered 2016-12 RAN#74 RP-162368 0781 2 F CR on aperiodic CSI reporting for triggered UI	
2016-12 RAN#74 RP-162368 0783 - F Correction on CSI measurement in LAA	14.1.0
2016-12 RAN#74 RP-162368 0784 - F Correction on PDCCH candidate configuration	
2016-12 RAN#74 RP-162368 0786 - F Correction on the UL Type 1 channel access of	
2016-12 RAN#74 RP-162361 0787 - A Correction on downlink power allocation for St	C-PTM 14.1.0
2016-12 RAN#74 RP-162359 0790 - A Corrections on the description of carrier for NE	
2016-12 RAN#74 RP-162359 0792 2 A Corrections on the Table 16.6-2: Type 1- NPD search space candidates for NB-IoT in TS 36.	
2016-12 RAN#74 RP-162359 0797 - A Control information inconsistent handling for N	
2016-12 RAN#74 RP-162368 0802 1 F CR on Multi-carrier LBT for Uplink Transmissi	
0803 - Corrections to EPDCCH candidate derivation	procedure for al AA
2016-12 RAN#74 RP-162308 F in TS36.213	14.1.0
2016-12 RAN#74 RP-162357 0804 - A Correction on DL CWS adjustment for LAA	14.1.0
2016-12 RAN#74 RP-162368 0805 - F Correction on aperiodic CSI only transmission	
2016-12 RAN#74 RP-162358 0807 - A CR on RV Cycling for PDSCH	14.1.0
2016-12 RAN#74 RP-162368 0809 T F CR on UE assumption of LBT success for detail CSI reporting	14.1.0
2016-12 RAN#74 RP-162368 0810 - F Correction on continuous transmission after the	ne successful LBT 14.1.0
2016-12 RAN#74 RP-162368 0811 - A CR on MCOT limits for carriers on which eNB	
L LBI	
2016-12 RAN#74 RP-162368 0813 - F CR on the UE assumption on multiple UL gran	nts indicating a same 14.1.0
2016-12 RAN#74 RP-162358 0814 - A PDSCH transmission on special subframe for	
2016-12 RAN#74 RP-162368 0815 - F CR on using 25us LBT for UEs on carriers wit	
2016-12 RAN#74 RP-162368 0816 - F CR on UL resource allocation for 10MHz LAA	
2016-12 RAN#74 RP-162358 0818 - A DCI for SPS	14.1.0
2016-12 RAN#74 RP-162358 0820 - A Number of MPDCCH-PRB sets	14.1.0
2016-12 RAN#74 RP-162368 0821 - F Correction on EPDCCH candidate configuration	on 14.1.0
2016-12 RAN#74 RP-162368 0822 - F CR on applying TPC commands for UL grants	
2016-12 RAN#74 RP-162368 0823 - F CR on PHR reporting for triggered UL grants i	in LAA 14.1.0
2016-12 RAN#74 RP-162368 0824 - F Correction on PDCCH candidate adjustments	
2016-12 RAN#74 RP-162359 0826 - A Correction on NPDCCH and NPDSCH start sy	
2016-12 RAN#74 RP-162364 0827 - B Introduction of SRS switching into 36.213	14.1.0
2016-12 RAN#74 RP-162365 0828 - B Introduction of Multiuser Superposition Transr	mission (MUST) in 14.1.0
2016-12 RAN#74 RP-162366 0829 - F Corrections to 36.213 on V2V	14.1.0
2017 03 PANH75 PR 170605 0830 1 P Introduction of Uplink Capacity Ehancements	for LTE to 26 212
2017-03 RAN#75 RP-170605 B sections 00-05	14.2.0
2017-03 RAN#75 RP-170605 0831 1 B Introduction of Uplink Capacity Ehancements sections 06-09	for LTE to 36.213
0832 1 Introduction of eMRMS enhancements for LTE	F to 36 213 sections
2017-03 RAN#75 RP-170608 0632 1 B Introduction of embly 3 emilancements for E11	14.2.0
2017-03 RAN#75 RP-170608 0833 1 B Introduction of eMBMS enhancements for LTE	E to 36.213 sections 14.2.0
10-13	
2017-03 RAN#75 RP-170610 0835 - A Correction on NPDCCH start subframe	14.2.0
2017-03 RAN#75 RP-170610 0837 - A Correction on NRS power in-band with non-in PowerOffset	teger nrs-CRS-
0830 - Correction on NPS power in-hand with pon-in-	stager pre-CPS-
2017-03 RAN#75 RP-170606 OSS9 A Correction of this power in-band with non-in-	14.2.0
2017-03 RAN#75 RP-170609 0841 - A PDSCH dropping rules in special subframes in	n eMTC 14.2.0
2017-03 RAN#75 RP-170609 0843 - A I_0 definition for RV cycling	14.2.0
2017-03 RAN#75 RP-170609 0845 - A PUCCH resource determination for M greater	
2017-03 RAN#75 RP-170609 0847 - A Correction on aperiodic CQI reporting for BL/C system bandwidth	CE UEs in 1.4MHz 14.2.0
2017-03 RAN#75 RP-170609 0849 - A Clarification on Msg 3/4 MPDCCH narrowband	d index 14.2.0
2017-03 RAN#75 RP-170618 0850 - F CR on two-stage scheduling for eLAA in 36.2	
2017-03 RAN#75 RP-170618 0851 - F CR on DCl blind decodes for eLAA in 36.213	14.2.0
2017-03 RAN#75 RP-170616 0852 - F Correction on downlink power allocation for U	
modulation for MUST in 15 36.213	
2017-03 RAN#75 RP-170618 0853 - F Correction on PHR for LAA	14.2.0
2017-03 RAN#75 RP-170610 0855 - A Correction on the description of OE procedure	e for receiving 14.2.0
2017-03 RAN#75 RP-170609 0857 - A PUCCH collision in eMTC	14.2.0
2017-03 RAN#75 RP-170618 0858 - F Clarification on channel access procedure for	
	NB-IoT 14.2.0

2017-03 RANAPTS RP-170622 0864 B Introduction of YZX	2017-03	RAN#75	RP-170615	0861	1	F	CR for SRS switching in 36.213	14.2.0
2017-03 RANH75 RP-170263 0884								14.2.0
2017-03 RANH75 RP-170262 0865 B Introduction of NB-107 enhancements for LTE to 38.213 14.2 2017-03 RANH75 RP-170607 0867 B Introduction of vicios and Vicios enhancement for LTE to 38.213 14.2 2017-06 RANH76 RP-171195 0869 A Correction on Wag3 PUSCH Repetition for CE mode B 14.3 2017-06 RANH76 RP-171195 0872 F Correction on Mag3 PUSCH Repetition for CE mode B 14.3 2017-06 RANH76 RP-171195 0873 F Correction on Mag3 PUSCH Repetition for CE mode B 14.3 2017-06 RANH76 RP-171196 0875 A Correction on TBS values 14.3 2017-06 RANH76 RP-171196 0875 A Correction on TBS values 14.3 2017-06 RANH76 RP-171197 0881 A Time relationship for the Magada 14.3 2017-06 RANH76 RP-171197 0881 A Time relationship for RAR monitoring in University 14.3 2017-06 RANH76 RP-171201 0883 F Correction on UL resource allocation type on TS 36.213 14.3 2017-06 RANH76 RP-171201 0884 A Time relationship for RAR monitoring in NB-107 14.3 2017-06 RANH76 RP-171201 0884 F Correction on SRS Triagering for LAR Scells 14.3 2017-06 RANH76 RP-171201 0884 F Correction on SRS Triagering for LAR Scells 14.3 2017-06 RANH76 RP-171201 0884 F Correction on tables used for SCI format In in 36.213 14.3 2017-06 RANH76 RP-171204 0886 F Correction on tables used for SCI format In in 36.213 14.3 2017-06 RANH76 RP-171204 0888 F Correction on tables used for SCI format In in 36.213 14.3 2017-06 RANH76 RP-171204 0888 F Correction on SCI format In in 36.213 14.3 2017-06 RANH76 RP-171204 0888 F Correction on SCI format In in 36.213 14.3 2017-06 RANH76 RP-171204 0889 F Correction on SCI format In in 36.213 14.3 2017-06 RANH76 RP-171204 0889 F Correction on SCI format In in 36.213 14.3 2017-06 RANH76 RP-171204 0899 F Corrections on SCI format In in SCI for Indiance In indiance In indiance In								14.2.0
2017-03 RAM975 RP-170625 0866 - B Introduction of Viole and Video enhancement for LTE to 36.213 14.2					-			14.2.0
2017-06 RAN#76 RP-17195 687 - B Introduction of eFD-MINO into 36.213 14.2 2017-06 RAN#76 RP-17195 6872 - F Correction on Mg3 PUSCH Repetition for CE mode B 14.3 2017-06 RAN#76 RP-17195 6873 - F Correction on TBS values 14.3 2017-06 RAN#76 RP-17195 6873 - F Correction on TBS values 14.3 2017-06 RAN#76 RP-17196 6877 - A Correction on TBS values 14.3 2017-06 RAN#76 RP-17196 6877 - A Correction on TBS values 14.3 2017-06 RAN#76 RP-17196 6877 - A Correction on TBS values 14.3 2017-06 RAN#76 RP-17196 6879 - A Correction on TBS values 14.3 2017-06 RAN#76 RP-171201 6882 - F CR Correction on TBC value on the one of the other other of the other other of the other other of the other o					-			14.2.0
2017-06 RANAPT6 RP-171195 0896 . A Correction on Msga PUSCH Repetition for CE mode B 14.3					-			14.2.0
2017-06 RAN#76 RP-171195 0873 F Correction on UE procedure for receiving PDSCH on FeMBMS/Minicast-mixed carrier in 36.213 14.3 2017-06 RAN#76 RP-171196 0875 F Correction on TBS values 2017-06 RAN#76 RP-171196 0877 A Candidate determination for MPDCCH starting in unsupported 14.3 2017-06 RAN#76 RP-171197 0881 A Candidate determination for MPDCCH starting in unsupported 14.3 2017-06 RAN#76 RP-171197 0881 A Candidate determination for MPDCCH starting in unsupported 14.3 2017-06 RAN#76 RP-171197 0881 A Timing relationship for RAM monitoning in NB-10T 14.3 2017-06 RAN#76 RP-171201 0882 F Correction to IU. resource allocation type 0 in TS 36.213 14.3 2017-06 RAN#76 RP-171201 0881 F Correction to SRS Tiggening for LVA SCells 14.3 2017-06 RAN#76 RP-171204 0886 F Alignment with 36.212 14.3 2017-06 RAN#76 RP-171204 0888 F Correction for MCOT value on channel access priority class for UL 14.3 2017-06 RAN#76 RP-171204 0888 F Correction for MCOT value on channel access priority class for UL 14.3 2017-06 RAN#76 RP-171204 0887 F Correction on tables used for SC Informat I in 36.213 14.3 2017-06 RAN#76 RP-171204 0888 F Correction on tables used for SC Informat I in 36.213 14.3 2017-06 RAN#76 RP-171204 0889 F Correction on TSD SC Information index to allocated widebands in 14.3 2017-06 RAN#76 RP-171204 0889 F Correction on SC Index for properties of the SC Information of t					-	Α		14.3.0
2017-06 RANH76 RP-171205 0873 FeMBMS/Unicas-mixed carrier in 36.213 14.3 2017-06 RANH76 RP-171196 0875 A Candidate determination for MPDCCH starting in unsupported special subtraction on TBS values 14.3 2017-06 RANH76 RP-171196 0877 A PUCCH resource determination in TDD for MTC 14.3 2017-06 RANH76 RP-171191 0881 A Timing relationship for RAR monitoring in NB-loT 14.3 2017-06 RANH76 RP-171201 0882 F Correction to SRS Triaggering for LAA SCells Correction for MCDT value on channel access priority class for UL 14.3 2017-06 RANH76 RP-171203 0885 F Correction for MCDT value on channel access priority class for UL 14.3 2017-06 RANH76 RP-171204 0887 F Correction for MCDT value on channel access priority class for UL 14.3 2017-06 RANH76 RP-171204 0887 F Mapping of wideband combination index to allocated widebands in 14.3 2017-06 RANH76 RP-171204 0888 F Correction for MCDT value on channel access priority class for UL 14.3 2017-06 RANH76 RP-171204 0888 F Correction of TBS table for PDSCH with maximum 5 MHz 14.3 2017-06 RANH76 RP-171194 0880 F Correction of TBS table for PDSCH with maximum 5 MHz 14.3 2017-06 RANH76 RP-171194 0880 F Correction on CST elevation for aperiodic CST-HS 14.3 2017-06 RANH76 RP-171194 0890 F Correction on PUCCH reporting type payload size in 36.213 14.3 2017-06 RANH76 RP-171194 0891 F Correction on CST elevation for aperiodic CST-HS 14.3 2017-06 RANH76 RP-171194 0891 F Correction on CST elevation for aperiodic CST-HS 14.3 2017-06 RANH76 RP-171194 0891 F Correction on CST elevation for aperiodic CST-HS 14.3 2017-06 RANH76 RP-171194 0890 F Corrections on PUCCH reporting type payload size in 36.213 14.3 2017-06 RANH76 RP-171194 0890 F Corrections on PUCCH reporting type payload size in 36.213 14.3 2017-06 RANH76 RP-171194 0890 F Corrections on PUCCH reporting type payload siz	0047.00	D 4 N # 7 C	DD 47440F	0872	-	_		4420
2017-06 RAN#76 RP-171196 0875 - A Cardidate determination for MPDCCH starting in unsupported 14.3 2017-06 RAN#76 RP-171196 0877 - A PUCCH resource determination in TDD for eMTC 14.3 2017-06 RAN#76 RP-171197 0881 - A Corrections on ULL resource allocation type 0 in TS 36.213 14.3 2017-06 RAN#76 RP-171201 0882 - F CR on two stage grant DCI field definition 14.3 2017-06 RAN#76 RP-171201 0883 - F Correction for MCDT value on channel access priority class for UL 14.3 2017-06 RAN#76 RP-171203 0886 - F Correction for MCDT value on channel access priority class for UL 14.3 2017-06 RAN#76 RP-171204 0887 - F Alignment of MCDT value on channel access priority class for UL 14.3 2017-06 RAN#76 RP-171204 0888 - F Correction for MCDT value on channel access priority class for UL 14.3 2017-06 RAN#76 RP-171204 0889 - F Correction for MCDT value on channel access priority class for UL 14.3 2017-06 RAN#76 RP-171204 0889 - F Correction for MCDT value on channel access priority class for UL 14.3 2017-06 RAN#76 RP-171204 0889 - F Correction on tables used for SCI format t in 36.213 14.3 2017-06 RAN#76 RP-171204 0889 - F Carrection on TSI stable for PDSCH with maximum 5 MHz 14.3 2017-06 RAN#76 RP-171204 0889 - F Correction on PUCCH reporting type payload size in 36.213 14.3 2017-06 RAN#76 RP-17120 0892 - F Correction on CSI relaxation for aperiodic CSI-RS 14.3 2017-06 RAN#76 RP-17120 0893 - F Correction on CSI relaxation for aperiodic CSI-RS 14.3 2017-06 RAN#76 RP-17120 0893 - F Corrections on PUCCH reporting type payload size in 36.213 14.3 2017-06 RAN#76 RP-17120 0893 - F Corrections on SCI and Residual for the science of the	2017-06	KAN#/6	RP-1/1195			Г		14.3.0
2017-06 RAN976 RP-171196 0877 A PUCCH resource adletermination in TDD for eMTC 1.3	2017-06	RAN#76	RP-171205	0873	-	F	Correction on TBS values	14.3.0
2017-06 RANR76 RP-171196 0877 A PUCCH resource determination in TDD for eMTC 14.3	2017.06	D / NI#76	DD 171106	0875	-	۸		1420
2017-06 RANN76	2017-00					Α		
2017-06 RANP6								14.3.0
2017-06 RAN876 RP-171201 0883					-			14.3.0
2017-06 RAN#76 RP-171201 0881 F Correction for MCD1 value on channel access priority class for UL 1.3					-			14.3.0
2017-06 RAN#76 RP-171201 0884 F Correction for MCOT value on channel access priority class for UL 14.3 2017-06 RAN#76 RP-171203 0886 F Correction on tables used for SCI format 1 in 36.213 14.3 2017-06 RAN#76 RP-171204 0887 F Alignment with 36.212 14.3 14.3 2017-06 RAN#76 RP-171204 0888 F Correction for PSCH with maximum 5 MHz 14.3 2017-06 RAN#76 RP-171204 0888 F Correction for PSCH with maximum 5 MHz 14.3 2017-06 RAN#76 RP-171194 0890 F UL Type 4 resource allocation for periodic CSI-RS 14.3 2017-06 RAN#76 RP-171194 0891 F Correction on CSI relaxation for aperiodic CSI-RS 14.3 2017-06 RAN#76 RP-171194 0891 F Correction on CSI relaxation for aperiodic CSI-RS 14.3 2017-06 RAN#76 RP-171194 0895 F Correction on CSI relaxation for aperiodic CSI-RS 14.3 2017-06 RAN#76 RP-171194 0895 F Correction on CSI relaxation for aperiodic CSI-RS 14.3 2017-06 RAN#76 RP-171194 0895 F CR on CSI-RS resource activation 14.3 2017-06 RAN#76 RP-171194 0895 F CR on CSI-RS resource activation 14.3 2017-06 RAN#76 RP-171194 0899 F Corrections on UE partial sensing behaviour in TS 36.213 14.3 2017-06 RAN#76 RP-171194 0901 F Corrections on UE partial sensing behaviour in TS 36.213 14.3 2017-06 RAN#76 RP-171194 0901 F Corrections on UE periodic CSI-RS in 36.213 14.3 2017-06 RAN#76 RP-171194 0901 F Corrections on UE periodic CSI-RS in 36.213 14.3 2017-06 RAN#76 RP-171204 0905 F Corrections on UE periodic on 16.213 14.3 2017-06 RAN#76 RP-171204 0905 F Corrections on UE periodic on 16.213 14.3 2017-06 RAN#76 RP-171204 0905 F Corrections on CSI-REPOMINION 14.3 2017-06 RAN#76 RP-171204 0905 F Corrections on UE periodic on 16.213 14.3 2017-06 RAN#76 RP-171204 0905 F Corrections on UE periodic on 16.213 14.3 2017-06 RAN#76 RP-171204 0905 F Correctio					-			14.3.0
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2017-06 RAN#76 RP-171194 0899 F Corrections to 36.213 for Rel-14 eFD-MIMO CSI collision handling 14.3 2017-06 RAN#76 RP-171194 0901 F Corrections on GCL indication in 36.213 14.3 2017-06 RAN#76 RP-171194 0902 F Corrections on CRI reporting for multi-shot CSI-RS in 36.213 14.3 2017-06 RAN#76 RP-17120 0903 F Corrections on CRI reporting for multi-shot CSI-RS in 36.213 14.3 2017-06 RAN#76 RP-17120 0904 F Corrections on CRI reporting for multi-shot CSI-RS in 36.213 14.3 2017-06 RAN#76 RP-171204 0904 F Corrections on the UL resource allocation for PDSCH in CE mode A 14.3 2017-06 RAN#76 RP-171204 0905 F Corrections on the UL resource allocation type 4 in TS 36.213 14.3 2017-06 RAN#76 RP-171203 0906 A PUCCH format 2 collision with PDSCH with repetitions 14.3 2017-06 RAN#76 RP-171193 0909 A Determination of PUCCH format selection depending on number of HARQ-ACK, CSI and SR bits 2017-06 RAN#76 RP-171197 0913 A Correction on 3.75 kHz NPUSCH format 2 transmission 14.3 2017-06 RAN#76 RP-171197 0918 A Correction on 3.75 kHz NPUSCH format 2 transmission 14.3 2017-06 RAN#76 RP-171196 0918 A Clarification of the #repetitions used for msg3 retransmissions 14.3 2017-06 RAN#76 RP-171196 0921 A Correction of RAR window definition in CE mode B 14.3 2017-06 RAN#76 RP-171204 0926 F Correction of RAR window definition in CE mode B 14.3 2017-06 RAN#76 RP-171204 0925 F Corrections on PRB scaling for PUSCH and dynamic HARQ-ACK timing in 36.213 14.3 2017-06 RAN#76 RP-171204 0927 F Corrections on PRB scaling for PUSCH and Dynamic HARQ-ACK timing in 36.213 14.3 2017-06 RAN#76 RP-171204 0927 F Corrections on PRB scaling for PUSCH in UpPTS 14.3 2017-06 RAN#76 RP-171196 0933 F Corrections on PRB scaling for PUSCH in UpPTS 14.3 2017-06 RAN#76 RP-171196 0939 F Correction on Branch of th					1			14.3.0
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2017-06					_			14.3.0
2017-06 RAN#76 RP-171204 0903 F CR on Higher-Layer Parameters for 36.213 14.3 2017-06 RAN#76 RP-171204 0904 F Clarification of resource allocation for PDSCH in CE mode A 14.3 2017-06 RAN#76 RP-171204 0905 F Corrections on the UL resource allocation type 4 in TS 36.213 14.3 2017-06 RAN#76 RP-171109 0906 A PUCCH format 2 collision with PDSCH with repetitions 14.3 2017-06 RAN#76 RP-171103 0907 F CR on subframe indexing in resource reselection 14.3 2017-06 RAN#76 RP-171191 0909 A Determination of PUCCH format selection depending on number of HARQ-ACK, CSI and SR bits 2017-06 RAN#76 RP-171190 0910 A Correction on 3.75 kHz NPUSCH format 2 transmission 14.3 2017-06 RAN#76 RP-171190 0918 A Correction on 3.75 kHz NPUSCH format 2 transmission 14.3 2017-06 RAN#76 RP-171190 0919 A Carofification of the #repetitions used for msg3 retransmissions 14.3 2017-06 RAN#76 RP-171190 0919 A CR on MPDCCH PRB Sets Rel-14 R.3 2017-06 RAN#76 RP-171120 0926 F Correction of RAR window definition in CE mode B 14.3 2017-06 RAN#76 RP-171204 0926 F Correction of LE behavior to meet Crlimit 14.3 2017-06 RAN#76 RP-171204 0926 F Corrections on Power Control for SRS Switching 14.3 2017-06 RAN#76 RP-171204 0927 F Corrections on Power Control for SRS Switching 14.3 2017-06 RAN#76 RP-171190 0937 F Corrections on the numbering of the tables in 8.0 14.3 2017-06 RAN#76 RP-171190 0937 F Corrections on the numbering of the tables in 8.0 14.3 2017-06 RAN#76 RP-171190 0937 F Corrections on the numbering of the tables in 8.0 14.3 2017-06 RAN#76 RP-171190 0937 F Corrections on the numbering of the tables in 8.0 14.3 2017-06 RAN#76 RP-171190 0937 F Corrections on the numbering of the tables in 8.0 14.3 2017-06 RAN#76 RP-171190 0937 F Correction of the Calculation of the #RV-blocks for a					-			14.3.0
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2017-06 RAN#76 RP-171193 O909 - A Determination of PUCCH format selection depending on number of HARQ-ACK, CSI and SR bits 14.3 2017-06 RAN#76 RP-171199 O910 2 F Miscellaneous corrections to 36.213 14.3 2017-06 RAN#76 RP-171197 O913 - A Correction on 3.75 kHz NPUSCH format 2 transmission 14.3 2017-06 RAN#76 RP-171203 O916 - F CR for skipped subframe handling for shorter periodicity in PC5-based V2V		RAN#76	RP-171196		-	Α		14.3.0
2017-06 RAN#76 RP-171193 0909 - A Determination of PUCCH format selection depending on number of HARQ-ACK, CSI and SR bits 14.3 2017-06 RAN#76 RP-171197 0913 - A Correction on 3.75 kHz NPUSCH format 2 transmission 14.3 2017-06 RAN#76 RP-171203 0916 - F CR for skipped subframe handling for shorter periodicity in PC5- based V2V 14.3 2017-06 RAN#76 RP-171196 0918 - A Correction on 3.75 kHz NPUSCH format 2 transmission 14.3 2017-06 RAN#76 RP-171196 0919 - A CR for skipped subframe handling for shorter periodicity in PC5- based V2V 14.3 2017-06 RAN#76 RP-171196 0919 - A CR for MPDCCH PRB Sets - Rel-14 14.3 2017-06 RAN#76 RP-171190 0921 1 A Correction of RAR window definition in CE mode B 14.3 2017-06 RAN#76 RP-171204 0926 - F Correction of HARQ-ACK bundling and dynamic HARQ-ACK timing in 36.213 14.3 2017-06 RAN#76 RP-171200 0927 - F Corrections on Power Control for SRS Switching 14.3 2017-06 RAN#76 RP-171190 0929 - F Corrections on the numbering of the tables in 8.0 14.3 2017-06 RAN#76 RP-171191 0930 1 F Corrections on PRB scaling for PUSCH in UpPTS 14.3 2017-06 RAN#76 RP-171196 0933 - A Clarification of RV Cycling in the presence of invalid SFs 14.3 2017-06 RAN#76 RP-171196 0935 - A Clarification of the accuration of the #RV-blocks for a given PDSCH 14.3 2017-06 RAN#76 RP-171196 0937 - A Clarification of the overlap of UL TA update and retuning gaps for BU/CE UEs 2017-06 RAN#76 RP-171203 0941 - F Correction on abbreviation of Uplink SPS RNTI and Sidelink SPS RNTI in 36.213 2017-06 RAN#76 RP-171203 0941 - F Correction on abbreviation of Uplink SPS RNTI and Sidelink SPS RNTI in 36.213 2017-06 RAN#76 RP-171203 0941 - F Correction on abbreviation of Uplink SPS RNTI and Sidelink SPS RNTI in 36.213 2017-06 RAN#76 RP-171203 0942 - F Correction	2017-06	RAN#76	RP-171203	0907	-			14.3.0
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2017-09 RAN#77 RP-171646 0945 1 F Clarification of Type1A-CSS candidates 14.4 2017-09 RAN#77 RP-171642 0950 1 F Correction for UCI transmission on LAA sCell 14.4 0953 - Correction on MPDCCH search space with CRC scrambled by the					-			14.3.0
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2017-09 RAN#77 RP-171639 A C-RNTI outside the random access procedure							C-RNTI outside the random access procedure	14.4.0
2017-09 RAN#77 RP-171644 0955 - F Corrections to Mode-3 scheduling 14.4	2017-09	RAN#77	RP-171644	0955	-	F	Corrections to Mode-3 scheduling	14.4.0

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2017-09	RAN#77	RP-171638	0956	-	F	CSI periodicity relationship between eMIMO-Types in hybrid CSI	14.4.0
2017-09	RAN#77	RP-171637	0958	-	Α	Correction on PUCCH format 3 information for eCA	14.4.0
2017-09	RAN#77	RP-171642	0959	-	F	Correction on periodic CSI reporting for LAA SCell	14.4.0
2017-09	RAN#77	RP-171649 RP-171644	0961 0962	-	A	Corrections on Class A Codebook in 36.213 CR on definition of sensing window	14.4.0
2017-09	RAN#77	RP-171644		-	F	0	14.4.0 14.4.0
2017-09	RAN#77 RAN#77	RP-171644 RP-171636	0963 0964	1	F	CR on subframe index for PSCCH re-transmission in mode 3 Correct RRC parameter for UL 256QAM	14.4.0
2017-09	RAN#77	RP-171637	0966	-		Maximum Code Rate applicability for UCI reporting over PUSCH	14.4.0
2017-09	RAN#77	RP-171637 RP-171649	0968	-	A	PUCCH priority for CSI report types 7-8-9-10	14.4.0
	RAN#77	RP-171649 RP-171645		-			
2017-09 2017-09	RAN#77	RP-171645 RP-171650	0969 0973	-	F	Correction on TBS determination for PDSCH in CE mode B SRS dropping for simultaneous SRS and PUSCH in intraband CA	14.4.0 14.4.0
			0975	-	A		
2017-09 2017-09	RAN#77 RAN#77	RP-171637 RP-171646	0975	-	A F	PUCCH Format 4-5 collision with SRS Search space monitoring	14.4.0 14.4.0
2017-09	KAN#11	RP-1/1040		-		·	14.4.0
2017-09	RAN#77	RP-171646	0977	-	F	Clarification on NPDCCH monitoring for Rel-14 2-HARQ process UE	14.4.0
2017-09	RAN#77	RP-171646	0978	-	F	Correction of RAR window timing definition in NB-IoT	14.4.0
2017-03	RAN#78	RP-172677	0979	1	F	PUSCH and SRS Transmission in UpPTS	14.5.0
2017-12	RAN#78	RP-172682	0981	-	F	CR on CSI report reference subframe for an LAA SCell	14.5.0
2017-12	RAN#78	RP-172679	0983		D	Renaming of duplicated table 7.2.1-1A	14.5.0
2017-12	RAN#78	RP-172681	0985	1	A	Corrections of parameter names for NB-IoT	14.5.0
2017-12	RAN#78	RP-172686	0986	1	F	Clarification on timing relationships of 2 HARQ process	14.5.0
2017-12	RAN#78	RP-172680	0987	<u> </u>	A	TBS for TDD special subframe for BL/CE UE without repetition	14.5.0
2017-12	RAN#78	RP-172680	0989	_	A	Non-repeated PUCCH SR transmissions on invalid UL subframes	14.5.0
			0989	-		Clarification on supporting lower frequency domain density for	
2017-12	RAN#78	RP-172679	0990	-	F	Class A NZP CSI-RS	14.5.0
2017-12	RAN#78	RP-172685	0991	-	F	Corrections on HARQ-ACK bundling	14.5.0
2017-12	RAN#78	RP-172681	0997	-	A	Typo correction for table 16.5.1.2.1-1	14.5.0
2017-12	RAN#78	RP-172678	0999		A	Usage of PUCCH format 3 for with more than 5 CC	14.5.0
			1000	-		Correction on sidelink index field name in DCI format 5A for V2V in	
2017-12	RAN#78	RP-172684	1000		F	36.213	14.5.0
	D 4 4 4 1 1 1 2 2		1001	-	_	Correction for modulation determination under larger TBS for	
2017-12	RAN#78	RP-172685			F	random access response grant	14.5.0
2017-12	RAN#78	RP-172692	1002	-	F	Correction on higher layer parameter for eVoLTE	14.5.0
2017-12	RAN#78	RP-172691	1003	-	F	Correction for dropping rules in intra-band SRS carrier switching	14.5.0
			1004	-		Change request for UE behaviour under special subframe	
2017-12	RAN#78	RP-172677			F	configuration 10	14.5.0
2017-12	RAN#78	RP-172679	1005	-	F	Correction on the scale factor for semi-OL rank-1	14.5.0
2017-12	RAN#78	RP-172686	1008	-	F	Correction of NRS-CRS power offset configuration for NB-IoT	14.5.0
2017-12	RAN#78	RP-172686	1009	_	F	Clarification of carrier indication in DCI format N1 in NB-IoT	14.5.0
	,	111-112000	1009	-			
2017 12			1010	-		Clarification on 2 HARQ process applicability to UE-specific search	
2017-12	RAN#78	RP-172686			F	space	14.5.0
2017-12 2017-12						· '' '' '	
	RAN#78	RP-172686	1010	-	F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1	14.5.0
2017-12 2018-03	RAN#78 RAN#78 RAN#79	RP-172686 RP-172686 RP-180194	1010 1011	-	F F A	space Correction of interference in NB-IoT RACH procedure	14.5.0 14.5.0 14.6.0
2017-12	RAN#78 RAN#78	RP-172686 RP-172686	1010 1011 1017 1019	-	F F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE	14.5.0 14.5.0
2017-12 2018-03 2018-03	RAN#78 RAN#78 RAN#79 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190	1010 1011 1017	-	F F A	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK	14.5.0 14.5.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03	RAN#78 RAN#79 RAN#79 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192	1010 1011 1017 1019 1021	- - -	F A A	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling	14.5.0 14.5.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79 RAN#79 RAN#79 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192	1010 1011 1017 1019 1021	- - -	F A A F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13	14.5.0 14.5.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180192 RP-180193	1010 1011 1017 1019 1021 1022 1023	- - - -	F A A F F F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control	14.5.0 14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180192 RP-180193 RP-180187	1010 1011 1017 1019 1021 1022 1023 1024	- - -	F A A F F F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180192 RP-180193 RP-180196	1010 1011 1017 1019 1021 1022 1023 1024 1025	- - - -	F A A F F F F F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180192 RP-180193 RP-180196 RP-180198	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027	- - - -	F A A F F F A	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180192 RP-180193 RP-180197 RP-180196 RP-180198 RP-180194	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029	- - - -	F A A F F A A	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180192 RP-180193 RP-180196 RP-180198 RP-180194 RP-180191	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031	- - - -	F A A F F F A A A A	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180197 RP-180198 RP-180198 RP-180194 RP-180191 RP-180188	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034	- - - -	F A A A A A	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180193 RP-180196 RP-180198 RP-180194 RP-180191 RP-180198 RP-180191 RP-180190	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047		F A A F F F A A A A A A	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180197 RP-180198 RP-180198 RP-180194 RP-180191 RP-180188	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047 1044	- - - -	F A A A A A	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180196 RP-180198 RP-180194 RP-180191 RP-180188 RP-180190 RP-181171	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047		F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on number of subframes for semistatic codebook	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180192 RP-180193 RP-180196 RP-180196 RP-180194 RP-180191 RP-180191 RP-180191 RP-180190 RP-181171 RP-181162	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047 1044 1059		F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on number of subframes for semistatic codebook determination and transmission over PUSCH	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03	RAN#78 RAN#79	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180192 RP-180193 RP-180196 RP-180196 RP-180194 RP-180191 RP-180191 RP-180191 RP-180190 RP-181171 RP-181162	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047 1044		F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on number of subframes for semistatic codebook determination and transmission over PUSCH Correction on TBS determination for msg 3 retransmission and	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-06 2018-06	RAN#78 RAN#79 RAN#78 RAN#79 RAN#79 RAN#79 RAN#80 RAN#80	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180197 RP-180198 RP-180198 RP-180199 RP-180199 RP-180191 RP-180188 RP-180190 RP-181162 RP-181165	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1047 1044 1059 1062		F A A F F F A A A A A F F F F F F F F F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on number of subframes for semistatic codebook determination and transmission over PUSCH Correction on TBS determination for msg 3 retransmission and CSS for fallback	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.7.0 14.7.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-06 2018-06	RAN#78 RAN#79 RAN#80 RAN#80 RAN#80	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180196 RP-180196 RP-1801994 RP-1801994 RP-180191 RP-180190 RP-181171 RP-181162 RP-181165 RP-181181	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1044 1059 1062	1	F F F F A A A A A A F F F F F F F F F F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on TBS determination for msg 3 retransmission and CSS for fallback Clarification of Msg3 power control in NB-IoT	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.7.0 14.7.0 14.7.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-06 2018-06 2018-06	RAN#78 RAN#79 RAN#80 RAN#80 RAN#80 RAN#80	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180196 RP-180198 RP-1801994 RP-1801991 RP-180191 RP-180190 RP-181171 RP-181162 RP-181165 RP-181161	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047 1044 1059 1062 1064 1066		F F F F A A A A A F F F F F F F F F F F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on TBS determination for msg 3 retransmission and CSS for fallback Clarification of Msg3 power control in NB-IoT On the configuration of UL 256QAM	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.7.0 14.7.0 14.7.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-06 2018-06	RAN#78 RAN#79 RAN#80 RAN#80 RAN#80	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180196 RP-180196 RP-1801994 RP-1801994 RP-180191 RP-180190 RP-181171 RP-181162 RP-181165 RP-181181	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047 1044 1059 1062 1064 1066 1068	1	F F F F A A A A A A F F F F F F F F F F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on TBS determination for msg 3 retransmission and CSS for fallback Clarification of Msg3 power control in NB-IoT On the configuration of UL 256QAM Correction on look-ahead for SRS carrier switching	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.7.0 14.7.0 14.7.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-06 2018-06 2018-06	RAN#78 RAN#79 RAN#80 RAN#80 RAN#80 RAN#80	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180196 RP-180198 RP-1801994 RP-1801991 RP-180191 RP-180190 RP-181171 RP-181162 RP-181165 RP-181161	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047 1044 1059 1062 1064 1066		F F F F A A A A A F F F F F F F F F F F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on TBS determination for msg 3 retransmission and CSS for fallback Clarification of Msg3 power control in NB-IoT On the configuration of UL 256QAM Correction on look-ahead for SRS carrier switching Clarification of NPUSCH uplink compensation gaps for 2 HARQ	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.7.0 14.7.0 14.7.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-06 2018-06 2018-06 2018-06 2018-06 2018-06	RAN#78 RAN#79 RAN#80 RAN#80 RAN#80 RAN#80 RAN#80 RAN#80 RAN#80 RAN#80	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180196 RP-180198 RP-180194 RP-1801994 RP-180191 RP-180188 RP-180190 RP-181171 RP-181162 RP-181165 RP-181161 RP-181179 RP-181181	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047 1044 1059 1062 1062 1064 1066 1068 1071		F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on number of subframes for semistatic codebook determination and transmission over PUSCH Correction on TBS determination for msg 3 retransmission and CSS for fallback Clarification of Msg3 power control in NB-IoT On the configuration of UL 256QAM Correction on look-ahead for SRS carrier switching Clarification of NPUSCH uplink compensation gaps for 2 HARQ processes	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-06 2018-06 2018-06 2018-06 2018-06 2018-06	RAN#78 RAN#79 RAN#80	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180196 RP-180198 RP-180194 RP-1801994 RP-180191 RP-180190 RP-181171 RP-181162 RP-181165 RP-181161 RP-181179 RP-181181 RP-181161	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047 1044 1059 1062 1064 1066 1068 1071		F A A F F F A A A A F A F F F F A A A A	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on number of subframes for semistatic codebook determination and transmission over PUSCH Correction on TBS determination for msg 3 retransmission and CSS for fallback Clarification of Msg3 power control in NB-IoT On the configuration of UL 256QAM Correction on look-ahead for SRS carrier switching Clarification of NPUSCH uplink compensation gaps for 2 HARQ processes Correction of a typo further to CR0594 faulty implementation	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-06 2018-06 2018-06 2018-06 2018-06 2018-06 2018-06 2018-06	RAN#78 RAN#79 RAN#80	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180198 RP-180198 RP-180198 RP-180191 RP-180191 RP-180191 RP-180191 RP-181162 RP-181165 RP-181161 RP-181161 RP-181161 RP-181162 RP-181162 RP-181162 RP-181162	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047 1044 1059 1062 1064 1066 1068 1071 1077 1080		F	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on TBS determination for msg 3 retransmission and CSS for fallback Clarification of Msg3 power control in NB-IoT On the configuration of UL 256QAM Correction on look-ahead for SRS carrier switching Clarification of NPUSCH uplink compensation gaps for 2 HARQ processes Correction on a typo further to CR0594 faulty implementation Clarification on beta offset for more than 22 HARQ-ACK bits	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-06 2018-06 2018-06 2018-06 2018-06 2018-06	RAN#78 RAN#79 RAN#80	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180196 RP-180198 RP-180194 RP-1801994 RP-180191 RP-180190 RP-181171 RP-181162 RP-181165 RP-181161 RP-181179 RP-181181 RP-181161	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047 1044 1059 1062 1064 1066 1068 1071		F A A F F F A A A A F A F F F F A A A A	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on number of subframes for semistatic codebook determination and transmission over PUSCH Correction on TBS determination for msg 3 retransmission and CSS for fallback Clarification of Msg3 power control in NB-IoT On the configuration of UL 256QAM Correction on look-ahead for SRS carrier switching Clarification of NPUSCH uplink compensation gaps for 2 HARQ processes Correction on a typo further to CR0594 faulty implementation Clarification on beta offset for more than 22 HARQ-ACK bits Clarification on simultaneousAckNackAndCQI for format 4-5 and	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-06 2018-06 2018-06 2018-06 2018-06 2018-06 2018-06 2018-06	RAN#78 RAN#79 RAN#80	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180196 RP-180198 RP-1801994 RP-180199 RP-180191 RP-180190 RP-181171 RP-181162 RP-181161 RP-181161 RP-181162 RP-181162 RP-181162 RP-181162 RP-181162	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1047 1044 1059 1062 1064 1066 1068 1071 1077 1080 1083		F F F F A A A A F F F F A A A A A A A A	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on number of subframes for semistatic codebook determination and transmission over PUSCH Correction on TBS determination for msg 3 retransmission and CSS for fallback Clarification of Msg3 power control in NB-IoT On the configuration of UL 256QAM Correction on look-ahead for SRS carrier switching Clarification of NPUSCH uplink compensation gaps for 2 HARQ processes Correction on beta offset for more than 22 HARQ-ACK bits Clarification on simultaneousAckNackAndCQI for format 4-5 and format 3	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0
2017-12 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-03 2018-06 2018-06 2018-06 2018-06 2018-06 2018-06 2018-06 2018-06	RAN#78 RAN#79 RAN#80	RP-172686 RP-172686 RP-180194 RP-180190 RP-180192 RP-180193 RP-180198 RP-180198 RP-180198 RP-180191 RP-180191 RP-180191 RP-180191 RP-181162 RP-181165 RP-181161 RP-181161 RP-181161 RP-181162 RP-181162 RP-181162 RP-181162	1010 1011 1017 1019 1021 1022 1023 1024 1025 1027 1029 1031 1034 1047 1044 1059 1062 1064 1066 1068 1071 1077 1080		F F A A A F F F F A A A A F F F F A A A A A A F A	space Correction of interference in NB-IoT RACH procedure Correction on CSI reporting for Class B K=1 Correction to determination of number of PUCCH repetitions for BL/CE UE Correction on PUCCH resource determination in HARQ-ACK bundling Correction on higher layer parameter schedulingInfoSIB1-BR-r13 Correction on Msg3 power control Correction on DwPTS usage in special subframe configuration 10 UCI multiplexing for eVoLTE Corrections for antenna switching Correction on CSI reporting for Class B K>1 Clarification on UL power control for NB-IoT Multiple CSI reports for eCA SPS for eMTC Support of early contention resolution Correction on number of subframes for semistatic codebook determination and transmission over PUSCH Correction on TBS determination for msg 3 retransmission and CSS for fallback Clarification of Msg3 power control in NB-IoT On the configuration of UL 256QAM Correction on look-ahead for SRS carrier switching Clarification of NPUSCH uplink compensation gaps for 2 HARQ processes Correction on a typo further to CR0594 faulty implementation Clarification on beta offset for more than 22 HARQ-ACK bits Clarification on simultaneousAckNackAndCQI for format 4-5 and	14.5.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.6.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0 14.7.0

2018-06	RAN#80	RP-181178	1091	-	F	Correction to timing advance	14.7.0
2018-06	RAN#80	RP-181169	1093	-	F	Correction on RV determination for eVoLTE	14.7.0
2018-06	RAN#80	RP-181165	1095	1		Corrections in Physical Resource Block numbering to RA Type0 for FeMTC UEs	14.7.0
2018-06	RAN#80	RP-181181	1098	-	F	Clarification of NPUSCH reception in 2 NB-IoT HARQ processes	14.7.0