

RAN2 #61bis Shenzhen 31.03.-04.04.2008

Agenda item	Upload ed	status	Late	Tdoc	Title	Source	Type:	CR #	further information	Release	SI/WI
-	Yes, No	withdrawn if after 26.02.08, not treated, noted, endorsed, agreed		R2-08xxxx	-	-	Agenda, Report, LSin, LSout, CR, TP (text proposal), Disc (for discussion/decision), Info	4 digits	for CR: specification for LSin: RAN2 action, LS answer	-	acronym
2: Approval of the agenda	Yes	agreed		R2-081400	Proposed agenda for RAN2 #61bis, Shenzhen, China, 31.03.-04.04.2008	RAN2 chairman	Agenda			-	-
3: Minutes of the previous/other meetings	Yes	revised		R2-081401	Draft report of RAN2 #61, Sorrento, Italy, 11-15.02.2008	ETSI MCC	Report			-	-
4.7.1: Review of SP-080188 (Home(e)NB requirements)	Yes	noted		R2-081402	SA1 CR SP-080188 on CSG requirements for UTRA/E-UTRA for RAN2 review	ETSI MCC	Info	LS21	22.011, related to an action item from SA #39, see LS answer R2-081964	REL-8	HomeNB
4.1: Incoming LS to LTE	Yes	noted		R2-081403	LS on Release 8 non-essential SAE features (SP-080218; to: CT1, CT3, CT4, CT6, RAN1, RAN2, RAN3, RAN4, SA1, SA2, SA3, SA4, SA5, CT, GERAN, RAN; cc: -; contact: Ericsson)	SA	LSin		no explicit RAN2 action requested, no LS answer	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081404	LS on Decision of MBMS and LCS in SAE Rel8 Scope Discussions (SP-080223; to: SA2, RAN1, RAN2, RAN3; cc: SA1, GERAN2; contact: NTT)	SA	LSin	LS04	RAN2 action requested, RAN2 LS answer will be drafted by NTT in R2-081929, finally LS answer postponed to next	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081405	Reply LS to S2-075874 on Earthquake and Tsunami Warning System (G2-080112; to: SA2, SA1, GERAN, GERAN1; cc: RAN2, RAN3, CT1, SA3; contact: NTT)	GERAN2	LSin		no RAN2 action requested, no LS answer	REL-8	ETWS
4.1: Incoming LS to LTE	Yes	noted		R2-081406	Reply LS to G2-080112 and S2-075874 on ETWS (GP-080410; to: SA1, SA2; cc: RAN2, RAN3, CT1, SA3; contact: NTT)	GERAN	LSin		no RAN2 action requested, no LS answer	REL-8	ETWS
4.1: Incoming LS to LTE	Yes	noted		R2-081407	Reply LS to S2-075847 on Earthquake and Tsunami Warning System (R3-080541; to: SA2, RAN2; cc: SA1, GERAN2; contact: NTT)	RAN3	LSin		RAN2 action requested, no RAN2 LS answer (if anything needs to be commented then this can be included in R2-081929)	REL-8	ETWS
6.1: Incoming LSs on UTRA (all releases)	Yes	noted		R2-081408	Reply LS to RP-071046 on Tests on receiving System info 5bis (RP-080230; to: GSM/A DG; cc: RAN2; contact: Ericsson)	RAN	LSin		no RAN2 action requested, no LS answer	R99	UMTS banking testing
4.1: Incoming LS to LTE	Yes	noted		R2-081409	LS to establish working assumptions for the scope of responsibility for optimized handover specification (C1-080779; to: RAN2, RAN3, CT4, SA2, cc: -; contact: ALU)	CT1	LSin		RAN2 action requested, no RAN2 LS answer since it is more related to SA2	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081410	EPS Session management procedure optimisations (C1-080780; to: RAN2, RAN3, CT4; cc: -; contact: Ericsson)	CT1	LSin	LS05	RAN2 action requested, RAN2 LS answer will be drafted by Ericsson in R2-081930, final LS answer in R2-082032	REL-8	LTE

RAN2 #61bis Shenzhen 31.03.-04.04.2008

Agenda item	Upload ed	status	Late	Tdoc	Title	Source	Type:	CR #	further information	Release	SI/WI
4.1: Incoming LS to LTE	Yes	noted		R2-081411	LS on Equal priority Inter-RAT reselection (GP-080298; to: RAN2; cc: -; contact: NSN)	GERAN	LSin	LS02	RAN2 action requested, RAN2 LS answer will be drafted by NSN in R2-081927. finally LS answer postponed to next	REL-8	GELTE
4.1: Incoming LS to LTE	Yes	noted		R2-081412	Reply LS to R2-080609 and R2-081363 on various aspects related to GERAN to E-UTRAN interworking (GP-080395; to: RAN2, RAN4; cc: -; contact: NSN)	GERAN	LSin	LS01	RAN2 action requested, RAN2 LS answer will be drafted by NSN in R2-081926, final LS answer in R2-	REL-8	GELTE
4.1: Incoming LS to LTE	Yes	noted		R2-081413	Reply LS to R2-075478 on CSG related mobility (stage 2 text) (GP-080417; to: SA1, RAN2; cc: SA2, RAN3, RAN4, RAN1; contact: NSN)	GERAN	LSin	LS03	RAN2 action requested, RAN2 LS answer will be drafted by NSN in R2-081928, finally LS answer postponed to next	REL-8	GELTE
4.1: Incoming LS to LTE	Yes	noted		R2-081414	LS on Change Request for LTE TDD Frame Structure to TS.36.300 V8.3.0 (R1-081112; to: RAN2; cc: -; contact: RITT)	RAN1	LSin		RAN2 action requested, no LS answer but CAIT will provide 36.300 CR to	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081415	LS on CR to TS36.306 (R1-081125; to: RAN2, RAN4; cc: -; contact: NTT)	RAN1	LSin		RAN2 action requested, no RAN2 LS answer; 36.306 change already taken	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081416	LS reply to R2-075481 on NDI vs. RV (R1-081138; to: RAN2; cc: -; contact: Panasonic)	RAN1	LSin		no explicit RAN2 action requested, no LS answer	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081417	LS on Redundancy Version Sequences for HARQ (R1-081141; to: RAN2; cc: -; contact: NSN)	RAN1	LSin		RAN2 action requested, no RAN2 LS answer (egred TP in R2-081723)	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081418	LS on High Interference Indicator (R1-081148; to: RAN3; cc: RAN2, SA5; contact: Ericsson)	RAN1	LSin		no RAN2 action requested, no LS answer	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081419	LS on L1-related parameters to be configured by RRC (R1-081156; to: RAN2; cc: -; contact: Ericsson)	RAN1	LSin	LS18	no explicit RAN2 action requested, no LS answer but a follow up L.Sout in R2-082039	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081420	Reply LS to R2-080621 on RACH retransmission delay requirements (R1-081160; to: RAN2; cc: -; contact: Ericsson, Panasonic)	RAN1	LSin	LS19	no explicit RAN2 action requested, RAN2 LS answer sent in R2-082040	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081421	Reply LS to R4-071813 on Signalling of additional spectrum emission requirements (R3-080449; to: RAN2, RAN4; cc: RAN1; contact: Motorola)	RAN3	LSin		RAN2 action requested, no RAN2 LS answer	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081422	LS on RAN performance monitoring (R3-08530; to: SA5; cc: RAN1, RAN2, RAN4; contact: NTT)	RAN3	LSin		no RAN2 action requested, no LS answer	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081423	LS on Self Configuring and Self Optimizing Network Use Cases and Solutions TR (R3-080536; to: SA5, RAN2, RAN4, RAN1; cc: GERAN2; contact: T-Mobile)	RAN3	LSin		no explicit RAN2 action requested, no LS answer	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081424	Reply LS to R2-075458, S2-080965 and R2-080605 on Applicability of "subscriber type" indication for UTRAN & GERAN (R3-080543; to: SA2, RAN3, GERAN2; cc: -; contact: Vodafone)	RAN3	LSin	LS06	RAN2 action requested, RAN2 LS answer will be drafted in R2-081931; LS answer postponed, see also email discussion	REL-8	LTE

RAN2 #61bis Shenzhen 31.03.-04.04.2008

Agenda item	Upload ed	status	Late	Tdoc	Title	Source	Type:	CR #	further information	Release	S/W/I
4.1: Incoming LS to LTE	Yes	noted		R2-081425	LS on LTE-cell- and eNB-identification (R3-080547; to: RAN2, SA2, CT1; cc: -; contact: NSN)	RAN3	LSin	LS17	RAN2 action requested, RAN2 LS answer in R2-082041	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081426	LS on RLF Recovery information over X2 (R3-080553; to: RAN2; cc: -; contact: Nortel)	RAN3	LSin	LS07	no explicit RAN2 action requested, Nortel will draft an LS answer in R2-081955; final LS answer in R2-082033	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081427	LS on the necessity of Location Reporting procedure in S1 (R3-080564; to: SA2, RAN2; cc: -; contact: NTT)	RAN3	LSin	LS08	RAN2 action requested, RAN2 LS answer will be drafted by NTT in R2-081956; final LS in R2-082034	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081428	LS on Measurements for self optimisation of cell selection/reselection parameters (R3-080565; to: RAN2; cc: -; contact: NEC)	RAN3	LSin		RAN2 action requested, RAN2 LS answer postponed as agenda item 4.9 on SON was not treated	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081429	LS to RAN 2 on mobility from E-UTRA to UTRA without explicit neighbour cell list (R4-080458; to: RAN2; cc: GERAN; contact: Nokia)	RAN4	LSin		no explicit RAN2 action requested, no LS answer	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081430	Response LS to R3-080472 on LS Automatic Neighbour Relation (R4-080468; to: RAN3; cc: RAN2; contact: Ericsson)	RAN4	LSin		no RAN2 action requested, no LS answer	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081431	LS on Scale of Reported Measurement Quantities (R4-080484; to: RAN2; cc: RAN1; contact: Ericsson)	RAN4	LSin		no explicit RAN2 action requested, no LS answer	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081432	LS on signalling intra/inter-frequency measurement bandwidth (R4-080541; to: RAN2, RAN3, GERAN; cc: RAN1; contact: NTT)	RAN4	LSin		RAN2 action requested, no RAN2 LS answer	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081433	Reply LS to R2-075464 on RACH Optimization Use Case (S5-080537; to: RAN2; cc: RAN3; contact: Huawei)	SA5	LSin		no RAN2 action requested, no LS answer	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081434	Reply LS to R3-072401 on Automatic Neighbour Relation (ANR) function (S5-080538; to: RAN3; cc: RAN2, RAN4; contact: Huawei)	SA5	LSin		no RAN2 action requested, no LS answer	REL-8	LTE
4.1: Incoming LS to LTE	Yes	noted		R2-081435	LS reply to R2-081364 and R3-080530 on RAN Performance monitoring (S5-080540; to: RAN2, RAN3; cc: RAN1, RAN4; contact: NSN)	SA5	LSin		RAN2 action requested, no RAN2 LS answer; should wait for input from SA5 before continuing on performance monitoring related measurements	REL-8	LTE
6.1: Incoming LSs on UTRA (all releases)	Yes	noted		R2-081436	Reply LS to R5-080525 on HSPA RB and SRB configurations in 34.108 (R1-081144; to: RAN5; cc: RAN2; contact: Ericsson)	RAN1	LSin		no RAN2 action requested, no LS answer	REL-7	RANimp-64QamDownk, MIMO, RANimp-L2dataRate
6.1: Incoming LSs on UTRA (all releases)	Yes	noted		R2-081437	Reply LS to R5-080526 on new MCH radio bearer configuration in 34.108 (R1-081145; to: RAN5; cc: RAN2; contact: Ericsson)	RAN1	LSin		no RAN2 action requested, no LS answer	REL-7	MBMS-RAN

Agenda item	Uploaded	status	Late	Tdoc	Title	Source	Type:	CR #	further information	Release	SI/WI
6.1: Incoming LSSs on UTRA (all releases)	Yes	noted		R2-081438	LS on status of study item "HS-PDSCH serving cell change enhancements" (R1-081149; to: RAN, RAN2; cc: -; contact: Qualcomm)	RAN1	LSin		RAN2 action requested, no RAN2 LS answer	REL-8	RANimp-HSDSCH
6.1: Incoming LSSs on UTRA (all releases)	Yes	noted		R2-081439	LS on Synchronised E-DCH specification impacts (R1-081150; to: RAN2, RAN3, RAN4; cc: -; contact: NSN)	RAN1	LSin		RAN2 action requested, no RAN2 LS answer (no WI created by RAN so in principle no work is required)	REL-8	RANFS-UplinksSync
6.1: Incoming LSSs on UTRA (all releases)	Yes	noted		R2-081440	LS on "Changes to the format of TMGI" (R3-080434; to: RAN2, C14; cc: SAZ; contact: Huawei)	RAN3	LSin	LS12	RAN2 action requested, RAN2 LS answer in R2-081971	REL-6	TEI6
3: Minutes of the previous/other meetings	Yes	revised		R2-081441	Updated draft report of RAN2 #61, Sorrento, Italy, 11-15.02.2008	ETSI MCC	Report			-	-
-	No	-		R2-081442	Void	-	-			-	-
-	No	-		R2-081443	Void	-	-			-	-
-	No	-		R2-081444	Void	-	-			-	-
3: Minutes of the previous/other meetings	Yes	agreed		R2-081445	Final report of RAN2 #61, Sorrento, Italy, 11-15.02.2008	ETSI MCC	Report			-	-
5.1.1.02: LTE MAC: Dynamic scheduling	Yes	noted		R2-081446	RAN2 aspects of the solutions for Subframe Bundling	Alcatel-Lucent	Disc			REL-8	LTE
5.1.1.07: LTE MAC: MAC PDU format	Yes	not treated		R2-081447	Scheduling Information format	Alcatel-Lucent	Disc			REL-8	LTE
4.5: Other (unicast)	Yes	noted		R2-081448	Some Issues Related to Half Duplex Operation	NextWave Wireless, IP/Wireless	Disc		moved from AI 4.1.1 to 4.5	REL-8	LTE
4.3.2: Handover/Reconfiguration failure handling	Yes	noted		R2-081449	Mobility Failure Handling	Alcatel-Lucent, ASB	Disc			REL-8	LTE
5.1.1.05: LTE MAC: UL Information for scheduler	Yes	agreed		R2-081450	Text proposal for the BSR calculation	Ericsson	TP		36.321	REL-8	LTE
5.1.1.05: LTE MAC: UL Information for scheduler	Yes	endorsed		R2-081451	Clarification of the BSR calculation	Ericsson	CR	(0002)	36.322	REL-8	LTE
5.1.1.05: LTE MAC: UL Information for scheduler	Yes	endorsed		R2-081452	Clarification of the BSR calculation	Ericsson	CR	(0002)	36.323	REL-8	LTE
5.1.1.10: LTE MAC: Other (unicast)	Yes	not treated		R2-081453	RAN2 impacts of Half-Duplex FDD Operation in LTE	Ericsson	Disc			REL-8	LTE
5.1.1.10: LTE MAC: Other (unicast)	Yes	not treated		R2-081454	MAC Flow control	Ericsson	Disc			REL-8	LTE
5.1.1.05: LTE MAC: UL Information for scheduler	Yes	not treated		R2-081455	BSR triggers based on buffer level change	Ericsson	Disc			REL-8	LTE
5.1.1.04: LTE MAC: QoS	Yes	noted		R2-081456	Report from the email discussion on Logical Channel Prioritisation Requirements for 36.321	Ericsson (Rapporteur)	Report		email discussion LTE_B07	REL-8	LTE
5.1.3.01: LTE PDCP: Status	Yes	noted		R2-081457	PDCP Status	LG Electronics Inc.	Disc			REL-8	LTE
5.1.3.01: LTE PDCP: Status	Yes	noted		R2-081458	PDCP Open issues list	LG Electronics Inc.	Disc			REL-8	LTE
5.1.1.08: LTE MAC: Semi-persistent scheduling	Yes	not treated		R2-081459	Semi persistent scheduling for TDD	Ericsson	Disc			REL-8	LTE
5.1.3.01: LTE PDCP: Status	Yes	revised		R2-081460	PDCP minor changes	LG Electronics Inc.	CR		36.323 merged into R2-082022	REL-8	LTE
5.1.1.08: LTE MAC: Semi-persistent scheduling	Yes	noted	late	R2-081461	Report from the email discussion on the configuration of semipersistent scheduling	Ericsson (Rapporteur)	Report		email discussion LTE_B03	REL-8	LTE
5.1.3.02: LTE PDCP: Lossless handovers	Yes	noted		R2-081462	Summary of the email discussion on Lossless handovers	LG Electronics Inc.	Report		email discussion LTE_B04	REL-8	LTE
5.1.3.03: LTE PDCP: Other (unicast)	Yes	revised		R2-081463	PDCP references to the security	LG	CR		36.323	REL-8	LTE

Agenda item	Upload ed	status	Late	Tdoc	Title	Source	Type:	CR #	further information	Release	S/I/WI
4.3.1: Multi-layer RACH modelling (including Msg3/4 failures)	Yes	noted	late	R2-081464	Random Access Procedure modelling	Ericsson (Rapporteur)	Report		email discussion LTE_B02	REL-8	LTE
5.1.1.02: LTE MAC: Dynamic scheduling	Yes	noted		R2-081465	Evaluation of TTI-Bundling Alternatives	Ericsson	Disc			REL-8	LTE
5.1.1.02: LTE MAC: Dynamic scheduling	Yes	not treated		R2-081466	Text Proposal for TTI bundling	Ericsson	TP			REL-8	LTE
5.1.1.06: LTE MAC: Random Access procedure	Yes	not treated		R2-081467	Assignment of dedicated preamble for DL data arrival	Ericsson	Disc			REL-8	LTE
5.1.1.05: LTE MAC: UL information for scheduler	Yes	noted		R2-081468	Triggering of SR in relation to allocated uplink grants	Ericsson	Disc			REL-8	LTE
5.1.2.07: LTE RLC: Other (unicast)	Yes	noted		R2-081469	Removal of Editor's Note on updating of VR(MS)	Ericsson	Disc			REL-8	LTE
5.1.2.07: LTE RLC: Other (unicast)	Yes	endorsed		R2-081470	VR(MS) upon expiry of T_reordering	Ericsson	GR	(0003)	36.322	REL-8	LTE
5.1.2.04: LTE RLC: RLC-AM	Yes	noted		R2-081471	Handling of large RLC status reports	Ericsson	Disc			REL-8	LTE
5.1.2.04: LTE RLC: RLC-AM	Yes	revised		R2-081472	Clarification to the handling of large RLC status reports	Ericsson	GR		36.322	REL-8	LTE
5.1.2.07: LTE RLC: Other (unicast)	Yes	noted		R2-081473	RLC small open issues	Ericsson	Disc			REL-8	LTE
5.1.2.07: LTE RLC: Other (unicast)	Yes	revised		R2-081474	Small corrections to RLC	Ericsson	GR		36.322	REL-8	LTE
5.1.2.07: LTE RLC: Other (unicast)	Yes	not treated		R2-081475	Error cases for RLC	Ericsson	Disc			REL-8	LTE
5.1.4.03: LTE UE cap.: Other	Yes	noted		R2-081476	L2 UE capability limitations	Ericsson	Disc			REL-8	LTE
5.1.4.02: LTE UE cap.: L2 buffer size	Yes	noted		R2-081477	Definition of UE total L2 buffer size	Ericsson	Disc			REL-8	LTE
5.1.3.03: LTE PDCP: Other (unicast)	Yes	noted		R2-081478	Reconfiguration of PDCP profiles at handover	LG Electronics Inc., Alcatel-Lucent	Disc			REL-8	LTE
5.1.3.03: LTE PDCP: Other (unicast)	Yes	noted		R2-081479	Exclusion of invalid PDCP Profiles configurations	LG Electronics Inc.	Disc			REL-8	LTE
4.4.5: PDCP	Yes	noted		R2-081480	Exclusion of invalid PDCP Profiles configurations	LG Electronics Inc.	Disc			REL-8	LTE
5.2.1.03: LTE RRC: Measurements	Yes	noted		R2-081481	Reconfiguration of measurements	LG Electronics Inc.	Disc			REL-8	LTE
4.6.1: MIBMS	Yes	revised		R2-081482	Signaling of the MBSFN subframe allocation parameter	Ericsson	Disc			REL-8	LTE
4.4.2: L1	Yes	noted		R2-081483	L1 parameter handling in dedicated signalling	Ericsson	Disc	LS18		REL-8	LTE
4.4.2: L1	Yes	noted		R2-081484	Summary of the email discussion on Layer 1 parameters	Ericsson (Rapporteur)	Report		output of email discussion LTE_B05 from last meeting, will continue in email discussion 61b_LTE_B01	REL-8	LTE
5.2.1.05: LTE RRC: System information broadcast	Yes	noted		R2-081485	Scheduling and transmission of SIB1	Ericsson	Disc			REL-8	LTE
5.2.1.06: LTE RRC: Other (unicast)	Yes	noted		R2-081486	Proposed way forward with NAS / RRC / S1-AP inter-actions	Ericsson	Disc			REL-8	LTE
4.6.2: ETWS support in Rel-8	Yes	not treated		R2-081487	ETWS support in Rel-8	Ericsson	Disc			REL-8	ETWS
4.3.2: Handover/Reconfiguration failure handling	Yes	noted		R2-081488	CondA for Handover	Ericsson	Disc			REL-8	LTE
4.5: Other (unicast)	Yes	noted		R2-081489	Synchronized RRC re-configuration	Ericsson	Disc		email discussion 61b_LTE_B04	REL-8	LTE
5.2.1.02: LTE RRC: Connection control	Yes	not treated		R2-081490	Open issues on radio resource configuration	Ericsson	Disc			REL-8	LTE
5.2.1.06: LTE RRC: Other (unicast)	Yes	not treated		R2-081491	Mechanism to perform Tracking Area Update (TAU) in RRC Connected state	Ericsson	Disc			REL-8	LTE
5.2.1.03: LTE RRC: Measurements	Yes	revised		R2-081492	Bandwidth information used for measurement purposes	Ericsson, NTT DoCoMo	Disc			REL-8	LTE

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.