Proposals 2026

no	title	content / work items	battery lab test	collect +eval.	in vehicle	type	rationale	provider	status ALBA	status CBI
CP12	end-of-life PPC & CR: data collection for LAB performance in new IEC tests	collect and plot end-of-life test data for PPC and CR from battery manufacturer labs, trigger additional "missing link" EOL measurements of PPC or CR or both after ongoping ageing tests, statistical analysis considering various battery types and ageing mechanisms		x		LAB	1) prepare publication for IEC 60095-8 validation results (see Annex B&C: almost all validation so far was done on "new" BOL samples!) 2) enhance OEM confidence that "ASIL" relevant performance can be assured for lifetime and "commodity" battery (even IAM)	Villanova	SC 26 Jan	propose?
CP17	experimental parameters and ultra-low temperature performance for LAB (ALBAplus)	measure OCV&R_ac ("Hioki") relaxation after pulses at -18°C, -29°C, -40°C measure CCA(AUX) with voltage setpoint at -18°C, -29°C, -40°C measure some PPC-style profiles (1-step, 2-step, complex) at -18°C, -29°C, -40°C	x			LAB	1) document excellent LAB performance at T<-18°C 2) create reference data for simplified (PPC-based) battery sizing methodology, demonstrating equivalence of 1-pulse with complex profiles 3) confirm pause durations in IEC PPC and CR procedures (questioned and re-tested for SIB SG2)	Combatec	SC 26 Jan	propose?
CP23	benchmark aftermarket LIB, SIB: internal limiter & protection functions & hardware, ultra-low temp perf. (ALBAplus)	purchase IAM drop-in replacement batteries, perform simple electric tests at -18°C, -29°C, -40°C (derived from CCA, PPC, CR) & analyze for signs of plating in PPC SOF pulses, tear down mechanically and document overcharging / cold-charging protection hardware	x			SIB LIB	1) document system-level (pack) state of the art for real products: which cold protection is applied where no vehicle communication is available? 2) create performance benchmark data against LAB study in CP17 3) improve market transparency - enable productive discussions in Mainz about requirements, challenges, expectations	UL-BI	SC 26 Jan	n/a
CR15.1	SOF recovery parameters during simulated driving (ALBAplus): 3 batteries	determine pseudocap. from different DCH & CHA events and check their correlations with each other and SOC recovery, determine plateau parameters (uplift offset & slope) from suitable DCH events and their dependency from discharge rate, temperature, battery type etc.		x		LAB	1) answer questions of CR working group to elucidate mechanisms that govern SOF recovery, 2) enable targeted material / recipe / design optimizations based on quantitfied observations under near-fiueld conditions, 3) robustness analysis can enhance OEM confidence to utilize transient SOF recovery in ASIL power supply cases	UL-BI	ordered 16 Dec 2025	propose?
CR15.2	develop quantitative, LAB-generic SOF-recovery model	extend analysis from CR15.1 to the full SSOF data base (> 3,000 SSOF, > 50,000 large signal stimuli, > 80,000 small signal stimuli in 320 test days available as of now), which will require hardware/bench-specific adjustments of automated evaluation routines and statistical analysis; suggest and demonstrate a simple quantitative model for SSOF		x		LAB	1) convince OEMs that sudden faults are very rare with LAB / expand robustness analysis from CR15.1 2) answer additional (t.b.d.) questions from CR workstream 3) first use and of SSOF data base and discussion of results will guide CBI members to new applications 4) groundwork for SSOF monitoring proof-of-concept	UL-BI	SC 26 Jan	decide in Feb/Mar
SO15.1	PPC Tool v1.9: revise GUI and enhance model - based on one battery type full data set	revise GUI: split parameter input for profile vs battery, plot EOL/BOL in one diagram (and evaluate whether other size-variation plots are still needed) expand model from 2s<t2<5s to 2s<t2<45s (or 1..2% SOC, equivalent with t1 up to 120s) guide user to get from complex profile to only 3 "single pulse" parameters & why these are sufficient new input option: power rather than current profiles if containable: add data-export function		x		LAB	1) implement 2025 user feedback and enhance usability for "untrained" OEM engineers 2) provide sales tool / customer support tool for OEM-battery suppliers	UL-BI	ordered 16 Dec 2025	n/a
SO15.2	PPC tool v2.0	options - decide after v1.9 user feedback: statistics for all 17 battery types that were evaluated for IEC TC21 WG2, quantify and plot error bars, specific data sets for individual battery types (rather than IEC-generic only) first steps into capacity sizing (not only CCA)		x		LAB	1) establish as authoritative AUX&backup battery sizing tool, 2) improve data-driven extrapolation away from IEC standard parameters (SOC<y50%, T<-18°C) 3) allow individual battery companies to upload "their" parameters	UL-BI	SC 26 Jan	n/a
TM24	analyzing vehicle operation: logger setups for I,U,T	install Klaric I/U/T logger in regular production (fleet) vehicle with dual LAB, have vehicle[s] driven for several "normal operation" days evaluate logs, discuss problematic details in results and suggest vehicle-side improvements: demonstrate to which extent I, T, SOC are symmetric or not (e.g. if both AGMs have different saturation levels) and other problems (e.g., W"strange" Z curves, quiescent loads, ...)			x	LAB	1) demonstration how battery supplier can evaluate and help improving OEM "charging" strategy 2) show one equipment option (rented free of charge) and discuss alternatives that may be cheaper, easier to use, or provide additional information 3) useful data about parallel 12V battery operation, recommendations regarding 2nd IBS etc.	Combatec	SC 26 Jan	propose?
TM25	analyzing vehicle operation: eGAS field study	[so far quite open - define interesting use case / scenario]			x	LAB	1) demonstrate practical use of eGAS (which had been developed with stron CBI support) 2) generate real-world "gassing" (water loss) data	t.b.d.		t.b.d.

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