IPMC Test Coverage

IPMIRustFRU: executed Tier-1 and Tier-2/3 tests, with PASS/FAIL results

Revision 11-13-2026

1. Summary

Generated by `tools/test_coverage.py` on 11-13-2026 12:37:49; do not edit. This document covers the Tier-1 build and the Tier-2/3 extension.

This customer report lists PASS/FAIL results for executed tests. The physical setup is NUCLEO-F401RE with one Aardvark on IPMB-A and serial CLI firmware reload.

Suite	Executed	Passed	Failed
ipmc-app	43	43	0
ipmc-boot	84	84	0
ipmc-core	266	266	0
ipmc-defs	9	9	0
ipmc-emu	63	63	0
ipmc-ext	2	2	0
ipmc-fru	69	69	0
ipmc-hal	15	15	0
ipmc-log	18	18	0
ipmc-menu	45	45	0
ipmc-runtime	48	48	0
ipmc-sensors	128	128	0
ipmc-wire	10	10	0
Python: tools/test_defs.py	7	7	0
Python: tools/app-port	45	45	0
Python: tools/chassis-manager	100	100	0
Python: tools/fwupdate	50	50	0
Python: tools/capture	3	3	0
Python: tools/test_test_coverage.py	15	15	0
Emulator replay	1	1	0
Board: Phase 12 bench table	18	18	0
Board: board test report rows	160	160	0
Tier-2/3: ipmc-ext	53	53	0
Tier-2/3: emulator replay	1	1	0
Total	1253	1253	0

2. Rust tests: ipmc-app

unit tests (43 cases)

Test	Area	Result
`tests::a_bad_table_is_rejected_for_a_bad_row_a_missing_help_and_a_collision`	ipmc-app crate root	PASS
`tests::a_damaged_line_is_answered_without_a_tag_and_not_run`	ipmc-app crate root	PASS
`tests::a_failing_handler_takes_back_its_data_lines`	ipmc-app crate root	PASS
`tests::a_failure_sentence_keeps_the_pieces_written_before_it_ran_out_of_room`	ipmc-app crate root	PASS
`tests::a_final_line_that_does_not_fit_rolls_back_to_the_start_of_the_answer`	ipmc-app crate root	PASS
`tests::a_line_of_blanks_is_an_empty_line`	ipmc-app crate root	PASS
`tests::a_loss_found_with_a_byte_in_hand_drops_that_byte_and_the_next_line_end_answers_damaged`	ipmc-app crate root	PASS
`tests::a_malformed_syntax_string_is_rejected_with_its_rule`	ipmc-app crate root	PASS
`tests::a_request_is_quoted_at_most_quote_max_bytes`	ipmc-app crate root	PASS
`tests::a_session_prints_as_the_documents_show_it`	ipmc-app crate root	PASS
`tests::a_set_value_is_stored_and_marks_the_store_dirty`	ipmc-app crate root	PASS
`tests::an_answer_that_does_not_fit_is_replaced_by_answer_too_long`	ipmc-app crate root	PASS
`tests::an_overlong_line_is_answered_once_when_its_end_arrives`	ipmc-app crate root	PASS
`tests::arguments_split_into_words_and_a_rest_value`	ipmc-app crate root	PASS
`tests::backspace_edits_the_line_before_it_runs`	ipmc-app crate root	PASS
`tests::bootloader_asks_the_host_once_and_a_refused_line_asks_nothing`	ipmc-app crate root	PASS
`tests::bootloader_with_payload_power_on_asks_for_confirm`	ipmc-app crate root	PASS
`tests::every_field_error_has_its_error_code_and_sentence`	ipmc-app crate root	PASS
`tests::every_line_end_form_is_one_line`	ipmc-app crate root	PASS
`tests::every_line_state_and_host_failure_has_its_error_line`	ipmc-app crate root	PASS
`tests::every_request_row_gets_its_answer`	ipmc-app crate root	PASS
`tests::fru_save_answers_each_state`	ipmc-app crate root	PASS
`tests::ipmi_passes_the_bytes_to_the_host`	ipmc-app crate root	PASS
`tests::ipmi_reports_a_completion_code_without_data_without_a_name_and_a_failed_request`	ipmc-app crate root	PASS
`tests::ipmi_write_fru_data_is_refused_when_writing_is_disabled`	ipmc-app crate root	PASS
`tests::many_requests_then_a_damaged_set_never_runs_the_set`	ipmc-app crate root	PASS
`tests::respond_writes_nothing_for_nothing_and_the_prompt_for_an_empty_line`	ipmc-app crate root	PASS
`tests::set_is_refused_when_writing_is_disabled`	ipmc-app crate root	PASS
`tests::set_while_nvmro_is_asserted_is_refused_and_changes_nothing`	ipmc-app crate root	PASS

Test	Area	Result
`tests::status_words_follow_the_power_and_health_states`	ipmc-app crate root	PASS
`tests::the_answer_buffer_is_the_worst_answer_rounded_up_to_64`	ipmc-app crate root	PASS
`tests::the_answer_buffer_stores_whole_writes_only`	ipmc-app crate root	PASS
`tests::the_command_table_is_well_formed`	ipmc-app crate root	PASS
`tests::the_editor_echoes_erases_and_ends_lines`	ipmc-app crate root	PASS
`tests::the_editor_gives_the_same_output_for_any_split_of_the_bytes`	ipmc-app crate root	PASS
`tests::the_editor_returns_the_text_of_the_line`	ipmc-app crate root	PASS
`tests::the_help_table_text_is_exact_and_aligned`	ipmc-app crate root	PASS
`tests::the_longest_answers_fit_the_answer_buffer_with_room_for_the_echo`	ipmc-app crate root	PASS
`tests::the_longest_final_line_fits_behind_the_longest_echo_at_the_line_limit`	ipmc-app crate root	PASS
`tests::the_longest_keyword_sequence_wins_and_keywords_are_whole_words`	ipmc-app crate root	PASS
`tests::the_payload_parsing_rule_finds_the_data_lines_and_the_final_line`	ipmc-app crate root	PASS
`tests::the_session_in_the_crate_comment_is_what_the_code_prints`	ipmc-app crate root	PASS
`tests::the_uptime_has_days_hours_minutes_and_seconds`	ipmc-app crate root	PASS

3. Rust tests: ipmc-boot

unit tests (82 cases)

Test	Area	Result
`commands::tests::lines_find_their_command_in_any_case`	ipmc-boot commands	PASS
`commands::tests::the_help_table_text`	ipmc-boot commands	PASS
`decision::tests::a_late_poll_prints_the_missed_digits_in_order`	ipmc-boot decision	PASS
`decision::tests::every_row_of_the_decision_table`	ipmc-boot decision	PASS
`decision::tests::reason_texts`	ipmc-boot decision	PASS
`decision::tests::three_seconds_print_three_two_one_then_start`	ipmc-boot decision	PASS
`decision::tests::wakeup_inside_the_window_opens_a_session_and_at_the_end_starts`	ipmc-boot decision	PASS
`decision::tests::zero_seconds_start_at_once`	ipmc-boot decision	PASS
`error::tests::answer_lines`	ipmc-boot error	PASS
`error::tests::nvmro_maps_from_the_register_layer`	ipmc-boot error	PASS
`error::tests::word_answers`	ipmc-boot error	PASS
`geometry::tests::load_allowed_at_every_boundary`	ipmc-boot geometry	PASS
`geometry::tests::target_sectors_and_names`	ipmc-boot geometry	PASS
`header::tests::erased_source_is_missing_without_a_header`	ipmc-boot header	PASS
`header::tests::header_fields_corrupted_give_their_reason`	ipmc-boot header	PASS
`header::tests::patch_refuses_each_case`	ipmc-boot header	PASS
`header::tests::patch_returns_the_header_it_wrote`	ipmc-boot header	PASS
`header::tests::patch_then_check_is_ok_with_an_independent_digest`	ipmc-boot header	PASS
`header::tests::placeholder_bytes_exactly`	ipmc-boot header	PASS
`header::tests::the_digest_bytes_are_outside_the_hash`	ipmc-boot header	PASS
`header::tests::vector_table_rows`	ipmc-boot header	PASS
`header::tests::version_text_to_bytes`	ipmc-boot header	PASS
`hex::tests::accepted_records`	ipmc-boot hex	PASS
`hex::tests::data_to_the_end_of_the_segment_is_accepted`	ipmc-boot hex	PASS
`hex::tests::refused_records`	ipmc-boot hex	PASS
`load::tests::a_full_image_loads_and_passes_the_check`	ipmc-boot load	PASS
`load::tests::a_repeated_record_is_not_erased`	ipmc-boot load	PASS
`load::tests::a_resend_after_a_checksum_error_succeeds`	ipmc-boot load	PASS
`load::tests::an_erased_flash_has_no_image`	ipmc-boot load	PASS

Test	Area	Result
`load::tests::data_outside_app_or_before_an_address_record_is_a_range_error`	ipmc-boot load	PASS
`load::tests::erase_orders_the_sectors`	ipmc-boot load	PASS
`load::tests::flash_faults_and_wrong_bits_are_reported`	ipmc-boot load	PASS
`load::tests::unaligned_head_and_tail_load`	ipmc-boot load	PASS
`request::tests::a_request_without_a_software_reset_is_refused`	ipmc-boot request	PASS
`request::tests::encode_then_decode_for_both_interfaces`	ipmc-boot request	PASS
`request::tests::invalid_requests_are_refused`	ipmc-boot request	PASS
`run::tests::a_down_app_port_gets_no_text_and_no_flush`	ipmc-boot run	PASS
`run::tests::a_missing_image_and_a_clock_fault_are_traced`	ipmc-boot run	PASS
`run::tests::a_request_counts_after_a_software_reset_only_and_is_cleared`	ipmc-boot run	PASS
`run::tests::a_stay_waits_for_wakeup_with_no_end_and_takes_it_in_any_case`	ipmc-boot run	PASS
`run::tests::a_watched_port_that_lost_bytes_drops_them_and_marks_the_line`	ipmc-boot run	PASS
`run::tests::power_on_with_a_good_image_counts_down_and_starts`	ipmc-boot run	PASS
`run::tests::run_starts_the_runtime_and_reset_restarts`	ipmc-boot run	PASS
`run::tests::the_hw_view_reports_the_counters_of_the_asked_port`	ipmc-boot run	PASS
`run::tests::the_pin_stays_and_only_wakeup_is_answered`	ipmc-boot run	PASS
`run::tests::the_session_echoes_commands_and_reports_port_counts`	ipmc-boot run	PASS
`run::tests::wakeup_inside_the_countdown_opens_the_session_on_that_port`	ipmc-boot run	PASS
`run::tests::wakeup_reads_the_console_first_and_keeps_partial_lines`	ipmc-boot run	PASS
`session::tests::a_damaged_line_cancels_a_pending_erase`	ipmc-boot session	PASS
`session::tests::a_damaged_line_in_record_mode_stays_and_the_next_record_is_ok`	ipmc-boot session	PASS
`session::tests::a_full_update_loads_verifies_and_runs`	ipmc-boot session	PASS
`session::tests::a_line_too_long_cancels_a_pending_erase`	ipmc-boot session	PASS
`session::tests::a_line_without_a_colon_aborts_record_mode_and_is_not_run`	ipmc-boot session	PASS
`session::tests::a_wrong_digest_is_refused_at_the_end_record_on_verify_and_on_run`	ipmc-boot session	PASS
`session::tests::an_empty_line_cancels_a_pending_erase`	ipmc-boot session	PASS
`session::tests::another_line_cancels_a_pending_erase_and_is_not_run`	ipmc-boot session	PASS
`session::tests::answers_of_the_small_commands`	ipmc-boot session	PASS
`session::tests::echo_is_on_in_command_mode_only`	ipmc-boot session	PASS
`session::tests::erase_faults_are_reported_and_clear_the_erased_mark`	ipmc-boot session	PASS
`session::tests::erase_then_confirm_runs_the_erase`	ipmc-boot session	PASS
`session::tests::info_for_a_flash_without_an_image`	ipmc-boot session	PASS
`session::tests::info_for_a_valid_image_prints_both_digests_in_full`	ipmc-boot session	PASS
`session::tests::is_wakeup_rows`	ipmc-boot session	PASS

Test	Area	Result
`session::tests::load_needs_an_erase_of_app_in_this_session`	ipmc-boot session	PASS
`session::tests::open_answers_ok_and_the_prompt`	ipmc-boot session	PASS
`session::tests::record_mode_lines`	ipmc-boot session	PASS
`session::tests::reset_answers_and_asks_for_the_reset`	ipmc-boot session	PASS
`session::tests::the_load_idle_timeout`	ipmc-boot session	PASS
`session::tests::verify_and_run_without_an_image`	ipmc-boot session	PASS
`text::tests::address_and_version_rows`	ipmc-boot text	PASS
`text::tests::decimal_rows`	ipmc-boot text	PASS
`text::tests::hex_bytes_are_lower_case_pairs`	ipmc-boot text	PASS
`text::tests::hex_padding_rows`	ipmc-boot text	PASS
`text::tests::serial_text_writes_whole_and_drops_on_a_full_port`	ipmc-boot text	PASS
`trace::tests::info_lines`	ipmc-boot trace	PASS
`trace::tests::labels_are_16_columns`	ipmc-boot trace	PASS
`trace::tests::single_line_variants`	ipmc-boot trace	PASS
`trace::tests::the_example_of_design_6_2_byte_for_byte`	ipmc-boot trace	PASS
`tests::combine_places_the_parts_at_0_and_c000_with_ff_between`	ipmc-boot crate root	PASS
`tests::combine_refuses_oversized_parts_and_takes_the_limits`	ipmc-boot crate root	PASS
`tests::padding_reaches_a_multiple_of_four`	ipmc-boot crate root	PASS
`tests::size_limits`	ipmc-boot crate root	PASS

flash_map (2 cases)

Test	Area	Result
`the_header_and_request_symbols_equal_the_header_constants`	ipmc-boot flash_map	PASS
`the_regions_equal_the_geometry_constants`	ipmc-boot flash_map	PASS

4. Rust tests: ipmc-core

unit tests (223 cases)

Test	Area	Result
`addr::tests::bad_parity_detected`	ipmc-core addr	PASS
`addr::tests::forced_logic_always_has_valid_parity`	ipmc-core addr	PASS
`addr::tests::ga_zero_is_invalid`	ipmc-core addr	PASS
`addr::tests::nvmro_asserted_honors_the_source`	ipmc-core addr	PASS
`addr::tests::nvmro_high_is_asserted_from_pins`	ipmc-core addr	PASS
`addr::tests::nvmro_rule_covers_both_sources`	ipmc-core addr	PASS
`addr::tests::raw_pin_levels_split_into_ga_gap_and_nvmro`	ipmc-core addr	PASS
`addr::tests::resolve_uses_forced_defaults`	ipmc-core addr	PASS
`addr::tests::slots_decode_to_their_ipmb_address`	ipmc-core addr	PASS
`addr::tests::source_text`	ipmc-core addr	PASS
`addr::tests::the_bootloader_pin_line_names_both_levels`	ipmc-core addr	PASS
`addr::tests::usable_needs_odd_parity_and_a_nonzero_ga`	ipmc-core addr	PASS
`analog::tests::no_analog_has_no_sensor`	ipmc-core analog	PASS
`analog::tests::the_first_analog_number_follows_the_mandatory_sensors`	ipmc-core analog	PASS
`clock::tests::the_comparisons_hold_across_the_wrap`	ipmc-core clock	PASS
`cmd::tests::only_fru_zero_is_accepted`	ipmc-core cmd	PASS
`cmd::vita::tests::bus_state_bytes_parse_per_table_10_1_3_7_1`	ipmc-core cmd vita	PASS
`cmd::vita::tests::the_ipmb_capabilities_byte_follows_the_tier_and_bus_b`	ipmc-core cmd vita	PASS
`cmd::vita::tests::the_speed_byte_parses_per_tier`	ipmc-core cmd vita	PASS
`cmd::vita::tests::vso_revision_nibbles_follow_the_spec_example`	ipmc-core cmd vita	PASS
`commands::tests::find_hits_and_misses`	ipmc-core commands	PASS
`commands::tests::rows_are_unique_and_documented`	ipmc-core commands	PASS
`dispatch::tests::a_bad_address_strap_keeps_the_fru_in_m0`	ipmc-core dispatch	PASS
`dispatch::tests::a_deactivation_request_reaches_m5_only_where_activation_control_exists`	ipmc-core dispatch	PASS
`dispatch::tests::app_command_responses_are_byte_exact`	ipmc-core dispatch	PASS
`dispatch::tests::extension_answers_only_on_a_table_miss`	ipmc-core dispatch	PASS
`dispatch::tests::extension_error_code_has_no_data`	ipmc-core dispatch	PASS
`dispatch::tests::extension_group_extension_command_sees_the_data_after_the_vso_byte`	ipmc-core dispatch	PASS
`dispatch::tests::extension_is_not_reached_for_another_lun_or_a_foreign_defining_body`	ipmc-core dispatch	PASS

Test	Area	Result
`dispatch::tests::extension_over_long_length_fails_as_a_row_does`	ipmc-core dispatch	PASS
`dispatch::tests::full_queue_reports_and_counts`	ipmc-core dispatch	PASS
`dispatch::tests::full_queue_runs_no_handler`	ipmc-core dispatch	PASS
`dispatch::tests::group_extension_handler_length_limit_counts_the_echoed_defining_body`	ipmc-core dispatch	PASS
`dispatch::tests::group_extension_vso_handling`	ipmc-core dispatch	PASS
`dispatch::tests::no_extension_answers_c1`	ipmc-core dispatch	PASS
`dispatch::tests::nonzero_lun_is_c2_before_any_handler`	ipmc-core dispatch	PASS
`dispatch::tests::nonzero_lun_on_group_extension_is_answered_c2h_first`	ipmc-core dispatch	PASS
`dispatch::tests::request_data_on_a_no_data_command_is_c7`	ipmc-core dispatch	PASS
`dispatch::tests::response_is_rejected_as_request`	ipmc-core dispatch	PASS
`dispatch::tests::sensor_7_reads_only_at_tier_3_and_follows_payload_mode`	ipmc-core dispatch	PASS
`dispatch::tests::set_unit_field_edits_the_image_reruns_the_self_test_and_honours_nvmro`	ipmc-core dispatch	PASS
`dispatch::tests::short_output_buffer_runs_no_handler`	ipmc-core dispatch	PASS
`dispatch::tests::table_handlers_and_errors`	ipmc-core dispatch	PASS
`dispatch::tests::the_settings_byte_is_the_store_byte_and_a_change_marks_it_dirty`	ipmc-core dispatch	PASS
`dispatch::tests::trace_lines_for_hit_and_miss`	ipmc-core dispatch	PASS
`dispatch::tests::unknown_command_is_c1`	ipmc-core dispatch	PASS
`dispatch::tests::update_sensors_stores_the_snapshot_and_steps_the_fru_state`	ipmc-core dispatch	PASS
`dispatch::tests::update_sensors_traces_each_fru_state_change_once`	ipmc-core dispatch	PASS
`dispatch::tests::warm_reset_clears_the_hand_offs_and_keeps_the_rest`	ipmc-core dispatch	PASS
`dupcache::tests::a_repeat_after_expiry_reuses_its_own_slot`	ipmc-core dupcache	PASS
`dupcache::tests::entries_clear_and_len_follow_the_held_responses`	ipmc-core dupcache	PASS
`dupcache::tests::expired_entries_are_reused_without_an_eviction`	ipmc-core dupcache	PASS
`dupcache::tests::expiry_survives_counter_wrap`	ipmc-core dupcache	PASS
`dupcache::tests::full_cache_evicts_the_oldest_and_counts`	ipmc-core dupcache	PASS
`dupcache::tests::hit_inside_the_expiry_miss_at_it`	ipmc-core dupcache	PASS
`dupcache::tests::the_key_holds_the_lun_and_the_exact_data`	ipmc-core dupcache	PASS
`event_enable::analog_tests::analog_sensors_have_events_off_and_masks_zero_from_their_first_number`	ipmc-core event_enable	PASS
`event_enable::tests::get_and_get_mut_reject_a_sensor_past_the_table`	ipmc-core event_enable	PASS
`event_enable::tests::power_up_follows_the_tier_and_the_sdr_masks`	ipmc-core event_enable	PASS
`ext::tests::feed_sensors_calls_on_sample_once_with_the_update_transition`	ipmc-core ext	PASS
`ext::tests::the_power_on_check_asks_the_state_machine_and_then_the_extension`	ipmc-core ext	PASS
`ext::tests::warm_reset_has_an_empty_default`	ipmc-core ext	PASS
`fru_state::tests::a_machine_fed_tier_1_and_2_inputs_never_reaches_m5`	ipmc-core fru_state	PASS

Test	Area	Result
`fru_state::tests::all_lists_the_reachable_states_and_their_masks`	ipmc-core fru_state	PASS
`fru_state::tests::lost_management_power_returns_every_state_to_m0`	ipmc-core fru_state	PASS
`fru_state::tests::m0_to_m1_is_one_transition_per_step`	ipmc-core fru_state	PASS
`fru_state::tests::m0_waits_for_every_initial_check`	ipmc-core fru_state	PASS
`fru_state::tests::m1_and_m4_follow_payload_power`	ipmc-core fru_state	PASS
`fru_state::tests::m4_and_m5_follow_the_deactivation_request_and_payload_power`	ipmc-core fru_state	PASS
`fru_state::tests::m6_stays_until_the_payload_is_completely_shut_down`	ipmc-core fru_state	PASS
`fru_state::tests::masks_follow_table_10_2_1_1`	ipmc-core fru_state	PASS
`fru_state::tests::power_on_is_allowed_again_once_m6_reaches_m1`	ipmc-core fru_state	PASS
`fru_state::tests::power_on_is_refused_only_in_m6`	ipmc-core fru_state	PASS
`fru_state::tests::power_that_returns_in_m6_does_not_cancel_the_deactivation`	ipmc-core fru_state	PASS
`fru_state::tests::power_up_state_is_m0`	ipmc-core fru_state	PASS
`identity::tests::additional_support_follows_the_tier`	ipmc-core identity	PASS
`identity::tests::identity_matches_decision_one`	ipmc-core identity	PASS
`identity::tests::product_version_guard_compares_major_minor`	ipmc-core identity	PASS
`identity::tests::version_field_parses_and_rejects`	ipmc-core identity	PASS
`ipmb::tests::boundary_lengths_parse`	ipmc-core ipmb	PASS
`ipmb::tests::error_checksums`	ipmc-core ipmb	PASS
`ipmb::tests::error_field_range`	ipmc-core ipmb	PASS
`ipmb::tests::error_frame_too_long_to_encode`	ipmc-core ipmb	PASS
`ipmb::tests::error_names_are_distinct`	ipmc-core ipmb	PASS
`ipmb::tests::error_out_buffer_too_small`	ipmc-core ipmb	PASS
`ipmb::tests::error_too_long`	ipmc-core ipmb	PASS
`ipmb::tests::error_too_short`	ipmc-core ipmb	PASS
`ipmb::tests::error_wrong_kind`	ipmc-core ipmb	PASS
`ipmb::tests::literal_frames_with_luns_and_high_sequence_bits`	ipmc-core ipmb	PASS
`ipmb::tests::luns_swap_in_response_header`	ipmc-core ipmb	PASS
`ipmb::tests::odd_address_bytes_are_rejected`	ipmc-core ipmb	PASS
`ipmb::tests::raw_frames_are_classified_by_the_netfn_parity`	ipmc-core ipmb	PASS
`ipmb::tests::request_round_trip`	ipmc-core ipmb	PASS
`ipmb::tests::response_round_trip_with_data`	ipmc-core ipmb	PASS
`link::tests::a_bus_powers_up_at_100_khz_and_the_speed_follows_set_ipmb_speed`	ipmc-core link	PASS
`link::tests::a_failed_attempt_is_not_late_until_a_transmission_completes`	ipmc-core link	PASS
`link::tests::a_failed_request_transmission_is_retried_after_t6_on_the_other_enabled_bus`	ipmc-core link	PASS

Test	Area	Result
`link::tests::a_failed_request_transmission_names_destination_command_and_cause`	ipmc-core link	PASS
`link::tests::a_failed_request_transmission_with_one_bus_waits_for_the_timeout`	ipmc-core link	PASS
`link::tests::a_local_request_too_long_for_a_frame_is_refused`	ipmc-core link	PASS
`link::tests::a_local_set_ipmb_state_changes_the_bus_state_as_a_bus_request_does`	ipmc-core link	PASS
`link::tests::a_replayed_response_is_timed_from_the_retry`	ipmc-core link	PASS
`link::tests::a_request_goes_out_and_its_response_ends_it`	ipmc-core link	PASS
`link::tests::a_request_to_another_lun_is_not_answered_from_the_cache_of_lun_zero`	ipmc-core link	PASS
`link::tests::a_request_without_a_response_ends_with_the_destination_and_the_count`	ipmc-core link	PASS
`link::tests::a_response_sent_during_the_backoff_does_not_change_the_retry_bus`	ipmc-core link	PASS
`link::tests::a_response_that_matches_nothing_is_dropped_and_the_request_stays`	ipmc-core link	PASS
`link::tests::a_restart_reopens_the_nonstrict_window`	ipmc-core link	PASS
`link::tests::a_restarted_link_has_the_power_up_state_and_keeps_the_request_sequence`	ipmc-core link	PASS
`link::tests::a_tier_one_link_sends_no_request`	ipmc-core link	PASS
`link::tests::alternate_policy_alternates_buses_and_stays_on_a_alone`	ipmc-core link	PASS
`link::tests::alternation_counts_a_resend_as_the_latest_transmission`	ipmc-core link	PASS
`link::tests::an_invalid_hardware_address_isolates_both_buses`	ipmc-core link	PASS
`link::tests::an_unanswered_request_is_retried_with_its_sequence_then_ends`	ipmc-core link	PASS
`link::tests::arrival_policy_answers_on_the_request_bus`	ipmc-core link	PASS
`link::tests::broadcast_get_device_id_is_stripped_and_answered_with_own_address`	ipmc-core link	PASS
`link::tests::broadcast_other_than_get_device_id_is_dropped`	ipmc-core link	PASS
`link::tests::clearing_the_duplicate_cache_makes_a_repeat_run_the_handler_again`	ipmc-core link	PASS
`link::tests::default_config_follows_defs`	ipmc-core link	PASS
`link::tests::disabled_and_unfitted_buses_drop_frames`	ipmc-core link	PASS
`link::tests::dropped_frames_are_traced_by_poll_with_reason_and_bus`	ipmc-core link	PASS
`link::tests::egress_empty_follows_the_response_queue`	ipmc-core link	PASS
`link::tests::failed_transmit_is_resent_on_the_other_bus_then_dropped`	ipmc-core link	PASS
`link::tests::failed_transmit_with_one_bus_enabled_is_dropped_at_once`	ipmc-core link	PASS
`link::tests::full_ingress_drops_the_new_frame_and_keeps_the_queued_ones`	ipmc-core link	PASS
`link::tests::late_responses_are_counted_at_transmit_completion`	ipmc-core link	PASS
`link::tests::link_sensor_at_power_up_is_08_40_02`	ipmc-core link	PASS
`link::tests::local_fault_disables_a_bus_and_shows_in_the_sensor`	ipmc-core link	PASS
`link::tests::local_request_returns_the_bytes_a_bus_request_would_queue`	ipmc-core link	PASS
`link::tests::nonstrict_answers_an_ipmb_b_request_on_ipmb_b_without_changing_the_bus_state`	ipmc-core link	PASS
`link::tests::nonstrict_answers_ipmb_a_requests_on_ipmb_a_around_a_window_response`	ipmc-core link	PASS

Test	Area	Result
`link::tests::nonstrict_duplicate_of_an_ipmb_b_request_is_answered_from_the_cache_on_ipmb_b`	ipmc-core link	PASS
`link::tests::nonstrict_failed_transmission_on_ipmb_b_is_resent_on_ipmb_a`	ipmc-core link	PASS
`link::tests::nonstrict_requester_sends_on_ipmb_a_and_matches_a_response_that_arrives_on_ipmb_b`	ipmc-core link	PASS
`link::tests::nonstrict_retry_of_a_window_request_after_the_window_ends_is_answered_on_ipmb_b`	ipmc-core link	PASS
`link::tests::nonstrict_window_ends_with_the_first_set_ipmb_state_that_sets_ipmb_b`	ipmc-core link	PASS
`link::tests::nonstrict_window_is_closed_without_ipmb_b_or_with_an_ipmb_b_fault`	ipmc-core link	PASS
`link::tests::nonstrict_window_response_goes_on_a_after_an_override_or_fault_of_ipmb_b`	ipmc-core link	PASS
`link::tests::nonstrict_window_response_goes_on_ipmb_b_while_ipmb_a_is_faulted`	ipmc-core link	PASS
`link::tests::nonstrict_window_response_stays_on_ipmb_b_once_handed_out`	ipmc-core link	PASS
`link::tests::nonstrict_window_responses_stay_on_ipmb_b_when_the_window_ends_first`	ipmc-core link	PASS
`link::tests::one_request_more_than_the_cache_evicts_the_oldest`	ipmc-core link	PASS
`link::tests::parse_errors_are_counted_by_kind`	ipmc-core link	PASS
`link::tests::poll_calls_the_extension_once_with_a_refreshed_link_view`	ipmc-core link	PASS
`link::tests::poll_leaves_requests_queued_while_the_egress_queue_is_full`	ipmc-core link	PASS
`link::tests::power_up_state_is_a_on_b_off`	ipmc-core link	PASS
`link::tests::queued_frame_moves_when_its_bus_is_disabled`	ipmc-core link	PASS
`link::tests::requests_from_both_buses_are_answered_in_arrival_order`	ipmc-core link	PASS
`link::tests::resend_that_succeeds_counts_ok_on_the_second_bus`	ipmc-core link	PASS
`link::tests::responses_are_dropped_and_counted`	ipmc-core link	PASS
`link::tests::responses_go_out_before_a_due_request`	ipmc-core link	PASS
`link::tests::retry_on_the_other_bus_runs_the_handler_once_and_replays_identical_bytes`	ipmc-core link	PASS
`link::tests::same_sequence_with_different_data_is_not_a_duplicate`	ipmc-core link	PASS
`link::tests::same_sum_data_with_the_same_sequence_is_not_a_duplicate`	ipmc-core link	PASS
`link::tests::set_ipmb_state_refuses_to_isolate_both_buses`	ipmc-core link	PASS
`link::tests::strict_power_up_drops_ipmb_b_requests`	ipmc-core link	PASS
`link::tests::the_same_request_after_the_expiry_runs_the_handler_again`	ipmc-core link	PASS
`link::tests::the_speed_rule_refuses_400_khz_on_a_bus_that_is_not_fitted`	ipmc-core link	PASS
`link::tests::tx_result_errors_leave_the_queue_alone`	ipmc-core link	PASS
`link::tests::unicast_get_device_id_to_another_address_is_not_for_us`	ipmc-core link	PASS
`names::tests::core_names_find_tier1_extension_and_platform_event`	ipmc-core names	PASS
`names::tests::fault_words_and_sentences`	ipmc-core names	PASS
`queue::tests::bus_helpers_alternate`	ipmc-core queue	PASS
`queue::tests::fifo_order_and_bus_tags`	ipmc-core queue	PASS
`queue::tests::full_queue_rejects_counts_and_keeps_old_frames`	ipmc-core queue	PASS

Test	Area	Result
`queue::tests::generic_fifo_peek_full_and_drop_count`	ipmc-core queue	PASS
`queue::tests::oversize_frame_is_rejected_without_a_drop_count`	ipmc-core queue	PASS
`queue::tests::peek_leaves_the_frame_and_resend_retargets_it`	ipmc-core queue	PASS
`queue::tests::wrap_around_keeps_order`	ipmc-core queue	PASS
`requester::tests::a_blocked_next_sequence_is_skipped_and_all_blocked_is_refused`	ipmc-core requester	PASS
`requester::tests::a_failed_transmission_waits_t6_before_the_other_bus`	ipmc-core requester	PASS
`requester::tests::a_response_that_differs_in_one_field_does_not_match`	ipmc-core requester	PASS
`requester::tests::a_restart_keeps_the_recent_sequence_numbers_blocked_for_a_full_t9`	ipmc-core requester	PASS
`requester::tests::a_second_cancel_keeps_the_driver_owned_frame_busy_until_tx_done`	ipmc-core requester	PASS
`requester::tests::an_oversize_response_is_not_a_match`	ipmc-core requester	PASS
`requester::tests::busy_too_soon_and_sequence_expiry_refuse_a_submit`	ipmc-core requester	PASS
`requester::tests::cancel_stops_every_transmission_and_drops_the_completion`	ipmc-core requester	PASS
`requester::tests::submit_refusals_leave_the_state_alone`	ipmc-core requester	PASS
`requester::tests::t4_counts_from_the_first_transmission_and_t9_from_the_latest`	ipmc-core requester	PASS
`requester::tests::the_bus_of_the_latest_transmission_is_kept_until_the_next_request`	ipmc-core requester	PASS
`requester::tests::the_first_sequence_number_is_a_constructor_input`	ipmc-core requester	PASS
`requester::tests::the_frame_of_a_platform_event_is_exact`	ipmc-core requester	PASS
`requester::tests::the_matching_response_ends_the_request`	ipmc-core requester	PASS
`reset_gate::tests::the_reset_runs_when_both_conditions_hold`	ipmc-core reset_gate	PASS
`reset_gate::tests::the_wait_counts_from_first_seen_and_is_traced`	ipmc-core reset_gate	PASS
`ring::tests::a_new_ring_is_empty_and_holds_n_minus_one`	ipmc-core ring	PASS
`ring::tests::clear_empties_the_ring`	ipmc-core ring	PASS
`ring::tests::discard_drops_the_oldest_and_stops_at_len`	ipmc-core ring	PASS
`ring::tests::indices_wrap_past_the_end_many_times`	ipmc-core ring	PASS
`ring::tests::peek_at_reads_the_ith_oldest_without_removing`	ipmc-core ring	PASS
`ring::tests::push_fills_to_capacity_then_refuses_and_writes_nothing`	ipmc-core ring	PASS
`ring::tests::push_slice_is_all_or_nothing`	ipmc-core ring	PASS
`ring::tests::push_slice_wraps_the_end_of_the_buffer`	ipmc-core ring	PASS
`sdr::analog_tests::analog_records_sit_between_the_compact_records_and_the_locator`	ipmc-core sdr	PASS
`sdr::tests::describe_reads_the_fields_back`	ipmc-core sdr	PASS
`sdr::tests::event_bytes_follow_the_tier`	ipmc-core sdr	PASS
`sdr::tests::owner_address_follows_the_ipmb_address`	ipmc-core sdr	PASS
`sdr::tests::record_ids_are_consecutive_from_zero_and_chain_ends_at_ffff`	ipmc-core sdr	PASS
`sdr::tests::records_parse_back_field_by_field`	ipmc-core sdr	PASS

Test	Area	Result
`sdr::tests::reservation_increments_skips_zero_on_wrap_and_invalidates_the_old_id`	ipmc-core sdr	PASS
`sdr::tests::resolve_maps_first_and_last_and_rejects_unknown_ids`	ipmc-core sdr	PASS
`sdr::tests::sensor_zero_and_the_locator_are_byte_exact`	ipmc-core sdr	PASS
`sdr::tests::tier_3_adds_m5_the_400_khz_states_and_the_payload_mode_sensor`	ipmc-core sdr	PASS
`selftest::tests::a_broken_sdr_chain_sets_the_sdr_bit`	ipmc-core selftest	PASS
`selftest::tests::a_damaged_fru_image_sets_the_fru_bit`	ipmc-core selftest	PASS
`selftest::tests::a_fresh_image_and_repository_pass`	ipmc-core selftest	PASS
`selftest::tests::several_failures_or_their_bits`	ipmc-core selftest	PASS
`sensor::tests::a_threshold_reading_carries_the_reserved_bits_set`	ipmc-core sensor	PASS
`sensor::tests::apply_event_enable_sets_and_clears_status_bit_7`	ipmc-core sensor	PASS
`sensor::tests::fru_state_payload_test_readings_follow_tables_10_2_1_1_to_10_2_7_1`	ipmc-core sensor	PASS
`sensor::tests::health_readings_are_00_40_01_good_and_00_40_02_bad`	ipmc-core sensor	PASS
`sensor::tests::link_sensor_bytes_follow_table_10_2_2_1`	ipmc-core sensor	PASS
`sensor::tests::link_sensor_rejects_a_short_buffer`	ipmc-core sensor	PASS
`sensor::tests::link_sensor_state_bits_4_and_5_report_400_khz`	ipmc-core sensor	PASS
`sensor::tests::payload_mode_reading_follows_table_10_2_8_1`	ipmc-core sensor	PASS
`sensor::tests::sensor_numbers_match_table_10_2_1`	ipmc-core sensor	PASS
`sensor::tests::short_buffer_and_other_sensors_are_rejected`	ipmc-core sensor	PASS
`sensor::tests::temperature_bits_follow_table_10_2_5_1`	ipmc-core sensor	PASS
`sensor::tests::unavailable_summary_sets_status_bit_5_and_clears_state`	ipmc-core sensor	PASS
`sensor::tests::valid_rails_follows_rail_count`	ipmc-core sensor	PASS
`sensor::tests::voltage_in_range_is_00_40_01_and_out_of_range_00_40_02`	ipmc-core sensor	PASS
`tier::tests::the_rules_follow_the_tier`	ipmc-core tier	PASS
`trace::tests::recording_trace_keeps_formatted_lines`	ipmc-core trace	PASS

commands_doc (3 cases)

Test	Area	Result
`every_commands_row_is_shown_as_implemented`	ipmc-core commands_doc	PASS
`implemented_rows_carry_the_name_and_spec_of_commands_rs`	ipmc-core commands_doc	PASS
`no_extra_command_is_shown_as_implemented`	ipmc-core commands_doc	PASS

tier1_handlers (33 cases)

Test	Area	Result
`a_corrupt_persisted_image_loaded_through_set_fru_fails_the_self_test_and_keeps_m0`	ipmc-core tier1_handlers	PASS

Test	Area	Result
`a_failed_self_test_keeps_the_fru_in_m0_until_the_image_is_valid_again`	ipmc-core tier1_handlers	PASS
`a_fresh_context_passes_the_self_test`	ipmc-core tier1_handlers	PASS
`a_record_reads_back_in_chunks_with_the_reservation`	ipmc-core tier1_handlers	PASS
`a_write_that_corrupts_the_fru_image_is_recorded_and_undone_by_writing_it_back`	ipmc-core tier1_handlers	PASS
`fru_address_info_error_paths`	ipmc-core tier1_handlers	PASS
`fru_address_info_follows_the_geographic_address`	ipmc-core tier1_handlers	PASS
`fru_address_info_for_the_ifru`	ipmc-core tier1_handlers	PASS
`fru_data_error_paths_refuse_with_their_completion_codes`	ipmc-core tier1_handlers	PASS
`fru_id_commands_answer_fru_zero_and_refuse_everything_else`	ipmc-core tier1_handlers	PASS
`only_an_accepted_write_fru_data_marks_the_store_dirty`	ipmc-core tier1_handlers	PASS
`partial_reads_need_the_current_reservation`	ipmc-core tier1_handlers	PASS
`read_fru_data_in_16_byte_chunks_like_the_chassis_manager`	ipmc-core tier1_handlers	PASS
`read_fru_data_longest_chunk_is_23_bytes`	ipmc-core tier1_handlers	PASS
`read_sensor_serves_the_handler_and_the_console_from_one_function`	ipmc-core tier1_handlers	PASS
`reading_status_bit_7_follows_the_sensors_event_enable`	ipmc-core tier1_handlers	PASS
`reserve_returns_incrementing_non_zero_ids`	ipmc-core tier1_handlers	PASS
`sdr_error_paths`	ipmc-core tier1_handlers	PASS
`sdr_info_counts_sensors_and_records`	ipmc-core tier1_handlers	PASS
`sensor_one_reports_the_link_view`	ipmc-core tier1_handlers	PASS
`sensor_reading_error_paths`	ipmc-core tier1_handlers	PASS
`sensor_zero_reports_the_fru_state_mask`	ipmc-core tier1_handlers	PASS
`sensors_five_and_six_report_no_test_run`	ipmc-core tier1_handlers	PASS
`sensors_two_to_four_follow_the_snapshot`	ipmc-core tier1_handlers	PASS
`set_ipmb_state_leaves_a_validated_change_pending`	ipmc-core tier1_handlers	PASS
`set_ipmb_state_refusals_change_nothing`	ipmc-core tier1_handlers	PASS
`speed_byte_400_khz_follows_the_tier`	ipmc-core tier1_handlers	PASS
`vso_capabilities_error_paths`	ipmc-core tier1_handlers	PASS
`vso_capabilities_for_one_and_two_interfaces`	ipmc-core tier1_handlers	PASS
`vso_capabilities_frame_is_byte_exact`	ipmc-core tier1_handlers	PASS
`whole_record_read_and_the_next_id_chain_ends_at_ffff`	ipmc-core tier1_handlers	PASS
`write_fru_data_is_refused_with_80h_while_nvmro_is_asserted`	ipmc-core tier1_handlers	PASS
`write_then_read_back_changes_the_ram_store`	ipmc-core tier1_handlers	PASS

tier1_link (6 cases)

Test	Area	Result
`a_chassis_manager_that_starts_on_ipmb_b_is_answered_only_when_nonstrict`	ipmc-core tier1_link	PASS
`a_refused_set_ipmb_state_leaves_the_buses_alone`	ipmc-core tier1_link	PASS
`a_retried_set_ipmb_state_is_replayed_and_not_applied_twice`	ipmc-core tier1_link	PASS
`an_sdr_record_reads_back_across_both_buses_with_one_reservation`	ipmc-core tier1_link	PASS
`set_ipmb_state_enables_b_like_the_captured_chassis_manager`	ipmc-core tier1_link	PASS
`set_ipmb_state_takes_effect_before_the_response_leaves`	ipmc-core tier1_link	PASS

tier1_sdr_walk (1 cases)

Test	Area	Result
`a_chassis_manager_walk_reads_every_record_back`	ipmc-core tier1_sdr_walk	PASS

5. Rust tests: ipmc-defs

unit tests (4 cases)

Test	Area	Result
`i2c_timing::tests::a_clock_that_rounds_a_phase_to_zero_is_refused`	ipmc-defs i2c_timing	PASS
`i2c_timing::tests::cycles_round_up_and_overflow_is_none`	ipmc-defs i2c_timing	PASS
`i2c_timing::tests::the_bit_phases_at_84_mhz_meet_the_i2c_minimums`	ipmc-defs i2c_timing	PASS
`i2c_timing::tests::the_peripheral_divisors_follow_rm0368`	ipmc-defs i2c_timing	PASS

tier23 (5 cases)

Test	Area	Result
`decide_follows_the_setting_and_the_markers`	ipmc-defs tier23	PASS
`defs_line_reads_true_or_false_once`	ipmc-defs tier23	PASS
`eval_and_field_switches_share_one_rule`	ipmc-defs tier23	PASS
`eval_needs_the_extension_and_the_release_profile`	ipmc-defs tier23	PASS
`override_parses_unset_zero_one_and_rejects_the_rest`	ipmc-defs tier23	PASS

6. Rust tests: ipmc-emu

unit tests (5 cases)

Test	Area	Result
`emulator::pgood_tests::pgood_follows_pwr_en_only_when_the_simulated_level_is_high`	ipmc-emu emulator	PASS
`serve::tests::a_down_bus_loses_requests_and_the_other_bus_still_answers`	ipmc-emu serve	PASS
`serve::tests::client_lines_parse_through_the_one_reader`	ipmc-emu serve	PASS
`serve::tests::reset_restarts_the_clock_at_zero_like_a_power_cycle`	ipmc-emu serve	PASS
`serve::tests::the_line_splitter_drops_an_overlong_line_whole`	ipmc-emu serve	PASS

board_api (5 cases)

Test	Area	Result
`a_down_bus_fails_the_write_and_the_link_resends_on_the_other_bus`	ipmc-emu board_api	PASS
`every_nth_write_over_both_buses_fails_and_the_count_goes_on`	ipmc-emu board_api	PASS
`rx_refuses_a_frame_the_board_would_lose`	ipmc-emu board_api	PASS
`the_board_clock_never_runs_back`	ipmc-emu board_api	PASS
`the_console_line_runs_and_its_text_reaches_the_next_poll`	ipmc-emu board_api	PASS

cli (10 cases)

Test	Area	Result
`a_bad_option_exits_2`	ipmc-emu cli	PASS
`a_missing_file_exits_2`	ipmc-emu cli	PASS
`a_run_that_loses_responses_exits_1_and_names_the_reason`	ipmc-emu cli	PASS
`an_empty_vector_file_exits_1_and_names_the_reason`	ipmc-emu cli	PASS
`no_arguments_prints_usage_and_exits_2`	ipmc-emu cli	PASS
`sdr_prints_one_consistent_line_per_record`	ipmc-emu cli	PASS
`serve_rejects_bad_options_with_exit_2`	ipmc-emu cli	PASS
`the_bench_build_run_exits_0_and_reports_the_unfitted_bus`	ipmc-emu cli	PASS
`the_capture_run_with_both_buses_exits_0`	ipmc-emu cli	PASS
`trace_prints_the_frames`	ipmc-emu cli	PASS

cold_reset (11 cases)

Test	Area	Result
`a_cold_reset_restarts_the_payload_power_as_a_boot_does`	ipmc-emu cold_reset	PASS

Test	Area	Result
`a_locked_extension_keeps_the_power_on_request_from_the_payload`	ipmc-emu cold_reset	PASS
`a_power_cycle_keeps_the_flash_log_and_a_default_lock_holds_the_payload_off`	ipmc-emu cold_reset	PASS
`a_response_that_cannot_be_sent_does_not_hold_the_reset`	ipmc-emu cold_reset	PASS
`a_warm_reset_rebuilds_the_link_and_keeps_everything_else`	ipmc-emu cold_reset	PASS
`an_accepted_fru_write_survives_a_cold_reset`	ipmc-emu cold_reset	PASS
`no_sequence_number_sent_inside_t9_is_used_again_after_a_cold_reset`	ipmc-emu cold_reset	PASS
`the_payload_power_and_reset_hand_offs_are_served_by_the_owner`	ipmc-emu cold_reset	PASS
`the_payload_supply_follows_pwr_en_so_a_shutdown_can_finish`	ipmc-emu cold_reset	PASS
`the_request_sequence_continues_across_a_cold_and_a_warm_reset`	ipmc-emu cold_reset	PASS
`the_reset_happens_after_the_response_left_and_the_board_answers_again`	ipmc-emu cold_reset	PASS

link_vectors (3 cases)

Test	Area	Result
`alternate_policy_sends_every_response_once_alternating_buses`	ipmc-emu link_vectors	PASS
`arrival_policy_answers_on_the_request_bus`	ipmc-emu link_vectors	PASS
`failed_response_on_a_is_resent_on_b_and_the_retry_is_replayed`	ipmc-emu link_vectors	PASS

replay_runs (14 cases)

Test	Area	Result
`a_disabled_but_fitted_bus_depends_on_the_power_up_behaviour`	ipmc-emu replay_runs	PASS
`a_request_with_a_bad_checksum_fails_the_run_and_names_its_line`	ipmc-emu replay_runs	PASS
`a_resend_on_the_other_bus_is_classified_by_the_bus_that_delivered_it`	ipmc-emu replay_runs	PASS
`alternate_policy_answers_every_request_and_alternates_buses`	ipmc-emu replay_runs	PASS
`an_empty_vector_list_fails_with_its_reason`	ipmc-emu replay_runs	PASS
`arrival_policy_with_both_buses_matches_the_captures_own_buses`	ipmc-emu replay_runs	PASS
`failed_transmissions_are_resent_on_the_other_bus`	ipmc-emu replay_runs	PASS
`failing_every_transmission_answers_nothing_and_leaves_every_request_unanswered`	ipmc-emu replay_runs	PASS
`failing_every_transmission_loses_responses_and_fails`	ipmc-emu replay_runs	PASS
`injected_failures_are_all_recovered`	ipmc-emu replay_runs	PASS
`the_replay_answers_the_fru_state_event_and_the_ipmc_does_not_resend_it`	ipmc-emu replay_runs	PASS
`the_report_prints_a_row_per_command_and_the_verdict`	ipmc-emu replay_runs	PASS
`the_sampled_state_after_the_capture_is_m4_with_healthy_sensors`	ipmc-emu replay_runs	PASS
`without_ipmb_b_the_b_requests_are_not_fitted_not_unanswered`	ipmc-emu replay_runs	PASS

serve (4 cases)

Test	Area	Result
`a_bad_line_is_answered_with_an_error_and_the_session_continues`	ipmc-emu serve	PASS
`a_new_client_gets_a_fresh_board_and_reset_restarts_it`	ipmc-emu serve	PASS
`get_device_id_is_answered_and_a_down_bus_loses_requests_while_b_works`	ipmc-emu serve	PASS
`the_b_power_up_option_selects_whether_a_request_on_b_is_answered_at_power_up`	ipmc-emu serve	PASS

tier1_replay (1 cases)

Test	Area	Result
`every_captured_request_gets_the_documented_answer`	ipmc-emu tier1_replay	PASS

tier3_handoff (1 cases)

Test	Area	Result
`a_power_on_in_progress_does_not_reach_m4_with_al_set`	ipmc-emu tier3_handoff	PASS

trace_vectors (3 cases)

Test	Area	Result
`dispatcher_answers_every_captured_request`	ipmc-emu trace_vectors	PASS
`every_frame_parses_and_round_trips`	ipmc-emu trace_vectors	PASS
`requests_and_responses_pair_up_on_the_same_bus`	ipmc-emu trace_vectors	PASS

vectors (6 cases)

Test	Area	Result
`a_good_line_gives_time_bus_and_bytes`	ipmc-emu vectors	PASS
`a_too_long_frame_is_rejected_with_its_line`	ipmc-emu vectors	PASS
`a_too_long_line_is_rejected`	ipmc-emu vectors	PASS
`bad_lines_are_rejected_with_their_kind_and_line`	ipmc-emu vectors	PASS
`the_error_text_names_the_line`	ipmc-emu vectors	PASS
`the_real_capture_is_accepted`	ipmc-emu vectors	PASS

7. Rust tests: ipmc-ext

unit tests (2 cases)

Test	Area	Result
`tests::active_default_answers_nothing_for_an_unowned_command`	ipmc-ext crate root	PASS
`tests::the_bridge_and_ipmc_defs_agree_on_the_extension`	ipmc-ext crate root	PASS

8. Rust tests: ipmc-fru

unit tests (69 cases)

Test	Area	Result
`date::tests::the_checked_text_is_none_above_the_range_and_the_text_otherwise`	ipmc-fru date	PASS
`persist::tests::a_16_kb_sector_holds_thirty_one_records_of_the_default_image`	ipmc-fru persist	PASS
`persist::tests::a_deferred_erase_is_not_a_failure_and_the_next_poll_saves`	ipmc-fru persist	PASS
`persist::tests::a_driver_error_after_the_record_landed_uses_its_sequence_number_up`	ipmc-fru persist	PASS
`persist::tests::a_driver_that_refuses_for_nvmro_leaves_flash_and_the_image_untouched`	ipmc-fru persist	PASS
`persist::tests::a_failed_boot_erase_is_reported_and_the_log_stays_usable`	ipmc-fru persist	PASS
`persist::tests::a_failed_save_skips_its_slot_in_the_running_log_too`	ipmc-fru persist	PASS
`persist::tests::a_failing_flash_is_retried_once_per_delay`	ipmc-fru persist	PASS
`persist::tests::a_flipped_bit_in_a_stored_image_fails_the_crc_and_the_previous_record_loads`	ipmc-fru persist	PASS
`persist::tests::a_full_sector_is_erased_by_the_next_save_alone`	ipmc-fru persist	PASS
`persist::tests::a_power_cut_after_any_single_word_loads_the_previous_good_image`	ipmc-fru persist	PASS
`persist::tests::a_power_cut_between_the_erase_and_the_write_loses_the_image`	ipmc-fru persist	PASS
`persist::tests::a_power_cut_during_the_erase_never_loads_a_damaged_image`	ipmc-fru persist	PASS
`persist::tests::a_save_that_programs_nothing_leaves_a_hole_and_the_record_after_it_still_loads`	ipmc-fru persist	PASS
`persist::tests::a_sector_too_small_for_one_record_is_refused`	ipmc-fru persist	PASS
`persist::tests::a_settings_change_marks_the_store_dirty_and_is_saved_with_the_image`	ipmc-fru persist	PASS
`persist::tests::an_erase_waits_for_a_quiet_bus_and_a_plain_save_does_not`	ipmc-fru persist	PASS
`persist::tests::boot_clears_a_sector_that_holds_no_valid_record`	ipmc-fru persist	PASS
`persist::tests::boot_never_erases_a_sector_that_holds_a_valid_record`	ipmc-fru persist	PASS
`persist::tests::boot_with_nvmro_asserted_erases_nothing`	ipmc-fru persist	PASS
`persist::tests::each_check_of_a_slot_rejects_a_record_that_breaks_it`	ipmc-fru persist	PASS
`persist::tests::empty_flash_loads_the_built_image`	ipmc-fru persist	PASS
`persist::tests::garbage_after_the_last_record_leaves_no_room_so_the_save_erases_first`	ipmc-fru persist	PASS
`persist::tests::nvmro_asserted_never_saves_and_the_write_waits`	ipmc-fru persist	PASS
`persist::tests::restore_interrupted_at_every_word_loads_the_previous_newest_or_the_built_image`	ipmc-fru persist	PASS
`persist::tests::restore_is_one_record_write_and_the_built_image_wins`	ipmc-fru persist	PASS
`persist::tests::restore_with_a_failed_or_torn_erase_loads_the_previous_newest_image`	ipmc-fru persist	PASS
`persist::tests::save_then_load_returns_the_image_and_starts_at_sequence_1`	ipmc-fru persist	PASS
`persist::tests::the_delay_coalesces_quick_writes_into_one_save`	ipmc-fru persist	PASS

Test	Area	Result
`persist::tests::the_highest_sequence_number_loads_and_no_record_follows_it`	ipmc-fru persist	PASS
`persist::tests::the_newest_sequence_wins_and_survives_the_erase_of_a_full_sector`	ipmc-fru persist	PASS
`persist::tests::the_record_layout_is_as_documented`	ipmc-fru persist	PASS
`persist::tests::the_retry_delay_after_a_failed_slow_erase_runs_from_the_failure`	ipmc-fru persist	PASS
`persist::tests::the_settings_byte_rides_in_the_version_word_and_reads_zero_in_an_older_record`	ipmc-fru persist	PASS
`persist::tests::the_store_region_check_accepts_sector_2_and_names_every_other_layout`	ipmc-fru persist	PASS
`records::tests::a_flipped_byte_in_each_checksummed_part_is_a_bad_checksum`	ipmc-fru records	PASS
`records::tests::a_multirecord_chain_is_walked`	ipmc-fru records	PASS
`records::tests::a_zeroed_area_length_is_a_bad_length`	ipmc-fru records	PASS
`records::tests::an_area_without_the_c1_marker_has_no_end_marker`	ipmc-fru records	PASS
`records::tests::an_internal_use_area_needs_version_1`	ipmc-fru records	PASS
`records::tests::areas_are_multiples_of_8_and_checksums_sum_to_zero`	ipmc-fru records	PASS
`records::tests::areas_that_share_bytes_are_refused`	ipmc-fru records	PASS
`records::tests::built_areas_have_exactly_the_reserved_length`	ipmc-fru records	PASS
`records::tests::decoder_reads_the_image_back`	ipmc-fru records	PASS
`records::tests::decoder_rejects_damaged_structures`	ipmc-fru records	PASS
`records::tests::fields_stop_at_a_field_that_overruns_the_area`	ipmc-fru records	PASS
`records::tests::header_and_area_faults_are_each_named`	ipmc-fru records	PASS
`records::tests::image_is_byte_exact`	ipmc-fru records	PASS
`records::tests::the_built_date_is_the_alt_record_and_the_standard_field_is_zero`	ipmc-fru records	PASS
`records::tests::the_built_image_verifies`	ipmc-fru records	PASS
`store::tests::read_and_write_reject_out_of_range_and_change_nothing`	ipmc-fru store	PASS
`unit::tests::a_custom_field_after_the_file_id_is_kept`	ipmc-fru unit	PASS
`unit::tests::a_damaged_or_missing_record_reads_unspecified`	ipmc-fru unit	PASS
`unit::tests::a_date_changes_the_record_in_place_with_both_checksums_and_leaves_the_standard_field_zero`	ipmc-fru unit	PASS
`unit::tests::a_local_edit_of_an_image_whose_areas_overlap_is_refused`	ipmc-fru unit	PASS
`unit::tests::a_missing_or_damaged_area_is_refused`	ipmc-fru unit	PASS
`unit::tests::a_nonzero_standard_field_is_the_date_until_a_set_writes_the_record`	ipmc-fru unit	PASS
`unit::tests::a_second_edit_with_a_shorter_value_leaves_zero_filled_room`	ipmc-fru unit	PASS
`unit::tests::a_stored_field_that_is_not_printable_ascii_reads_as_not_ascii`	ipmc-fru unit	PASS
`unit::tests::a_text_field_edit_changes_only_its_area`	ipmc-fru unit	PASS
`unit::tests::an_empty_value_clears_the_date`	ipmc-fru unit	PASS
`unit::tests::an_image_without_reserve_gives_no_room_and_stays_as_it_was`	ipmc-fru unit	PASS
`unit::tests::each_field_is_set_read_back_and_leaves_the_rest_alone`	ipmc-fru unit	PASS

Test	Area	Result
`unit::tests::every_text_field_takes_a_value_of_its_full_reserved_room`	ipmc-fru unit	PASS
`unit::tests::names_parse_in_either_case_and_cover_every_field`	ipmc-fru unit	PASS
`unit::tests::refused_values_name_their_error_and_change_nothing`	ipmc-fru unit	PASS
`unit::tests::the_built_image_exposes_the_defaults`	ipmc-fru unit	PASS
`unit::tests::the_built_record_is_the_vita_34h_record_with_the_default_date`	ipmc-fru unit	PASS
`unit::tests::the_date_converts_both_ways`	ipmc-fru unit	PASS

9. Rust tests: ipmc-hal

unit tests (15 cases)

Test	Area	Result
`fault::tests::round_trip_including_negative_irq`	ipmc-hal fault	PASS
`fault::tests::unknown_kind_is_none`	ipmc-hal fault	PASS
`frame::tests::address_only_frame_is_empty_and_never_reads_the_clock`	ipmc-hal frame	PASS
`frame::tests::arbitration_lost_alone_keeps_the_frame_and_other_flags_drop_it`	ipmc-hal frame	PASS
`frame::tests::general_call_gives_00_first_byte`	ipmc-hal frame	PASS
`frame::tests::overrun_at_frame_max_plus_one`	ipmc-hal frame	PASS
`frame::tests::repeated_start_with_data_is_a_restart_drop`	ipmc-hal frame	PASS
`frame::tests::reset_empties_the_frame`	ipmc-hal frame	PASS
`frame::tests::slave_read_then_ack_failure_is_the_read_end`	ipmc-hal frame	PASS
`frame::tests::stop_without_a_write_is_ignored_and_idles`	ipmc-hal frame	PASS
`frame::tests::write_frame_posts_address_and_bytes_with_one_clock_read`	ipmc-hal frame	PASS
`kept::tests::store_then_take_returns_the_data_once`	ipmc-hal kept	PASS
`kept::tests::wrong_magic_and_random_ram_give_none`	ipmc-hal kept	PASS
`serial::tests::lost_sums_and_wraps`	ipmc-hal serial	PASS
`time::tests::delay_waits_the_requested_cycles_and_ends_when_frozen`	ipmc-hal time	PASS

10. Rust tests: ipmc-log

unit tests (18 cases)

Test	Area	Result
`dump::tests::a_dump_cursor_counts_records_the_ring_overwrote_and_goes_on`	ipmc-log dump	PASS
`dump::tests::a_dump_cursor_of_an_empty_or_cleared_log_ends`	ipmc-log dump	PASS
`dump::tests::a_dump_cursor_walks_the_held_records_and_ignores_later_ones`	ipmc-log dump	PASS
`dump::tests::a_dump_cursor_whose_records_are_all_gone_reports_them_once_then_ends`	ipmc-log dump	PASS
`dump::tests::a_dump_job_prints_the_rows_the_overwrite_note_and_the_end_line`	ipmc-log dump	PASS
`dump::tests::the_format_word_and_the_header_line`	ipmc-log dump	PASS
`print::tests::rows_of_a_ring_carry_the_record_index`	ipmc-log print	PASS
`print::tests::rows_print_exactly`	ipmc-log print	PASS
`print::tests::the_test_frames_parse`	ipmc-log print	PASS
`record::tests::a_long_text_line_is_cut_with_dots_and_a_long_frame_is_cut`	ipmc-log record	PASS
`record::tests::disabled_adds_nothing_and_clear_empties`	ipmc-log record	PASS
`record::tests::one_new_record_overwrites_several_old_ones`	ipmc-log record	PASS
`record::tests::records_come_back_oldest_first`	ipmc-log record	PASS
`record::tests::the_ring_matches_a_model_across_every_wrap`	ipmc-log record	PASS
`record::tests::the_status_code_round_trips_through_the_flags_byte`	ipmc-log record	PASS
`switches::tests::the_status_lines_print_as_the_console_did`	ipmc-log switches	PASS
`switches::tests::the_trace_word_parses_in_any_case`	ipmc-log switches	PASS
`tee::tests::capture_trace_records_and_forwards_only_on_console`	ipmc-log tee	PASS

11. Rust tests: ipmc-menu

unit tests (45 cases)

Test	Area	Result
`args::tests::capacity_is_bounded`	ipmc-menu args	PASS
`args::tests::i32_range_and_sign`	ipmc-menu args	PASS
`args::tests::missing_and_optional`	ipmc-menu args	PASS
`args::tests::on_off`	ipmc-menu args	PASS
`args::tests::u32_decimal_and_hex`	ipmc-menu args	PASS
`args::tests::u32_rejects_bad_forms`	ipmc-menu args	PASS
`line::tests::cr_cr_is_two_lines_and_crlf_lf_is_two`	ipmc-menu line	PASS
`line::tests::cr_lf_and_crlf_each_end_one_line`	ipmc-menu line	PASS
`line::tests::editing_bytes_follow_the_table`	ipmc-menu line	PASS
`line::tests::editor_recovers_after_an_overlong_line`	ipmc-menu line	PASS
`line::tests::full_line_is_accepted_and_one_more_byte_rejects_it`	ipmc-menu line	PASS
`line::tests::tokenizer_rejects_overlong_line`	ipmc-menu line	PASS
`line::tests::tokenizer_rejects_too_many_tokens`	ipmc-menu line	PASS
`line::tests::tokenizer_splits_on_runs_of_whitespace`	ipmc-menu line	PASS
`menu::tests::a_group_name_enters_another_group_directly`	ipmc-menu menu	PASS
`menu::tests::entering_and_leaving_a_group_changes_the_prompt`	ipmc-menu menu	PASS
`menu::tests::full_path_command_works_from_inside_another_group`	ipmc-menu menu	PASS
`menu::tests::group_command_syntax_leaves_room_for_the_group_word`	ipmc-menu menu	PASS
`menu::tests::group_help_aligns_on_its_own_longest_syntax`	ipmc-menu menu	PASS
`menu::tests::help_separator_column_follows_the_longest_syntax`	ipmc-menu menu	PASS
`menu::tests::help_with_extra_words_is_not_help`	ipmc-menu menu	PASS
`menu::tests::inside_a_group_commands_work_without_the_prefix`	ipmc-menu menu	PASS
`menu::tests::invalid_definition_never_matches`	ipmc-menu menu	PASS
`menu::tests::keywords_are_case_insensitive_and_exact`	ipmc-menu menu	PASS
`menu::tests::match_signal_is_explicit_per_command`	ipmc-menu menu	PASS
`menu::tests::non_matching_command_success_does_not_stop_dispatch`	ipmc-menu menu	PASS
`menu::tests::optional_parameter_may_be_left_out_or_given`	ipmc-menu menu	PASS
`menu::tests::overlong_line_is_rejected_not_truncated`	ipmc-menu menu	PASS
`menu::tests::rest_token_not_last_fails_table_validation`	ipmc-menu menu	PASS

Test	Area	Result
`menu::tests::rest_token_takes_zero_one_and_many_words`	ipmc-menu menu	PASS
`menu::tests::shipped_test_tables_validate`	ipmc-menu menu	PASS
`menu::tests::single_lines_from_the_top_level_follow_the_table`	ipmc-menu menu	PASS
`menu::tests::top_level_help_lists_groups_commands_and_aliases`	ipmc-menu menu	PASS
`menu::tests::unknown_command_inside_a_group_reports_the_line`	ipmc-menu menu	PASS
`menu::tests::validation_rejects_each_group_fault`	ipmc-menu menu	PASS
`menu::tests::validation_rejects_each_table_fault`	ipmc-menu menu	PASS
`syntax::tests::classifies_tokens_by_first_byte`	ipmc-menu syntax	PASS
`syntax::tests::eq_ignore_case_is_exact`	ipmc-menu syntax	PASS
`syntax::tests::rejects_bad_syntax`	ipmc-menu syntax	PASS
`syntax::tests::rest_token_is_the_last_token_only`	ipmc-menu syntax	PASS
`syntax::tests::shape_counts_keywords_required_optional`	ipmc-menu syntax	PASS
`syntax::tests::table_rejects_duplicate_keyword_sequences`	ipmc-menu syntax	PASS
`syntax::tests::table_rejects_reserved_first_keyword`	ipmc-menu syntax	PASS
`syntax::tests::table_reports_the_first_bad_syntax`	ipmc-menu syntax	PASS
`syntax::tests::validation_runs_in_const_context`	ipmc-menu syntax	PASS

12. Rust tests: ipmc-runtime

unit tests (48 cases)

Test	Area	Result
`console::tests::an_unknown_command_is_reported_by_the_engine`	ipmc-runtime console	PASS
`console::tests::debug_bootloader_restarts_into_the_bootloader_by_the_console`	ipmc-runtime console	PASS
`console::tests::debug_status_and_watchdog_print_their_lines`	ipmc-runtime console	PASS
`console::tests::fru_show_and_dump_print_the_image`	ipmc-runtime console	PASS
`console::tests::help_lists_the_groups_and_the_top_commands`	ipmc-runtime console	PASS
`console::tests::ipmb_state_lists_the_buses_the_policy_and_the_link_sensor`	ipmc-runtime console	PASS
`console::tests::sys_reset_returns_a_restart_and_no_prompt`	ipmc-runtime console	PASS
`console::tests::sys_status_reports_uptime_clocks_led_watchdog_and_uarts`	ipmc-runtime console	PASS
`console::tests::sys_version_prints_the_firmware_and_the_image`	ipmc-runtime console	PASS
`console::tests::the_application_port_bootloader_command_restarts_into_the_bootloader`	ipmc-runtime console	PASS
`console::tests::the_banner_is_the_captured_text`	ipmc-runtime console	PASS
`console::tests::the_led_group_sets_and_reports_the_mode`	ipmc-runtime console	PASS
`console::tests::the_power_sim_and_sensors_commands_run_over_the_sensor_service`	ipmc-runtime console	PASS
`fru_log::tests::a_blank_sector_gives_no_stored_image`	ipmc-runtime fru_log	PASS
`fru_log::tests::a_damaged_sector_is_erased_unless_nvmro_holds_it`	ipmc-runtime fru_log	PASS
`fru_log::tests::a_flash_that_did_not_start_leaves_the_log_off`	ipmc-runtime fru_log	PASS
`fru_log::tests::a_sector_too_small_for_a_record_is_a_boot_failure`	ipmc-runtime fru_log	PASS
`fru_log::tests::a_stored_image_is_loaded_and_reported`	ipmc-runtime fru_log	PASS
`kept::tests::any_other_cause_gives_zero_and_clears`	ipmc-runtime kept	PASS
`kept::tests::random_ram_and_a_wide_sequence_give_zero`	ipmc-runtime kept	PASS
`kept::tests::software_reset_returns_what_was_kept_once`	ipmc-runtime kept	PASS
`link::tests::a_bus_that_failed_to_start_is_reported_once_and_started_when_the_lines_are_high`	ipmc-runtime link	PASS
`link::tests::a_cold_reset_returns_its_restart_once_after_the_status_line`	ipmc-runtime link	PASS
`link::tests::a_faulted_bus_is_taken_off_without_waiting_for_idle`	ipmc-runtime link	PASS
`link::tests::a_request_is_answered_through_the_board`	ipmc-runtime link	PASS
`link::tests::a_warm_reset_keeps_the_local_status_and_forgets_a_bootloader_request`	ipmc-runtime link	PASS
`link::tests::an_erase_pauses_both_slaves_and_reports_the_time`	ipmc-runtime link	PASS
`link::tests::an_erase_waits_for_a_queued_frame_or_a_request_in_flight`	ipmc-runtime link	PASS
`link::tests::frames_drain_in_stop_time_order_across_the_buses`	ipmc-runtime link	PASS

Test	Area	Result
`link::tests::restart_flushes_keeps_the_sequence_and_writes_the_boot_request`	ipmc-runtime link	PASS
`link::tests::start_buses_prints_a_failure_and_leaves_an_unusable_address_alone`	ipmc-runtime link	PASS
`link::tests::the_fault_streak_marks_a_bus_and_the_clear_waits_for_the_lines`	ipmc-runtime link	PASS
`link::tests::the_urgent_save_erases_with_a_busy_link_after_the_wait_and_says_so_once`	ipmc-runtime link	PASS
`run::tests::a_start_prints_the_fru_lines_the_banner_and_the_prompt`	ipmc-runtime run	PASS
`run::tests::passes_run_the_console_and_a_reset_command_ends_in_the_board_reset`	ipmc-runtime run	PASS
`sensing::tests::a_reset_request_pulses_the_output_and_releases_it_when_due`	ipmc-runtime sensing	PASS
`sensing::tests::a_reset_request_without_an_output_says_so`	ipmc-runtime sensing	PASS
`sensing::tests::a_sample_is_handed_on_once`	ipmc-runtime sensing	PASS
`sensing::tests::an_adc_that_failed_is_kept_as_text`	ipmc-runtime sensing	PASS
`sensing::tests::no_request_prints_nothing`	ipmc-runtime sensing	PASS
`sensing::tests::start_prints_only_a_refusal_and_only_when_power_at_boot_is_on`	ipmc-runtime sensing	PASS
`sim::tests::frames_queue_per_bus_and_peek_does_not_consume`	ipmc-runtime sim	PASS
`sim::tests::the_write_policy_fails_every_nth_write_and_a_script_wins`	ipmc-runtime sim	PASS
`text::tests::a_long_line_is_cut_and_ends_in_three_dots`	ipmc-runtime text	PASS
`text::tests::a_ring_without_room_aborts_a_print_and_drops_a_line`	ipmc-runtime text	PASS
`text::tests::a_row_keeps_what_a_log_line_cuts`	ipmc-runtime text	PASS
`text::tests::print_maps_newline_to_crlf`	ipmc-runtime text	PASS
`text::tests::the_adapters_reach_the_port`	ipmc-runtime text	PASS

13. Rust tests: ipmc-sensors

unit tests (123 cases)

Test	Area	Result
`analog::tests::an_unavailable_source_reads_as_unavailable`	ipmc-sensors analog	PASS
`analog::tests::extreme_simulator_values_clamp_without_overflow`	ipmc-sensors analog	PASS
`analog::tests::rails_read_in_counts_with_inclusive_comparison_bits`	ipmc-sensors analog	PASS
`analog::tests::the_conversions_follow_the_nominals`	ipmc-sensors analog	PASS
`analog::tests::the_hook_stops_at_the_last_sensor`	ipmc-sensors analog	PASS
`analog::tests::the_rail_and_temperature_records_are_byte_exact`	ipmc-sensors analog	PASS
`analog::tests::the_simulated_nominals_decode_as_volts_and_degrees`	ipmc-sensors analog	PASS
`analog::tests::the_temperature_reads_in_degrees_with_inclusive_comparison_bits`	ipmc-sensors analog	PASS
`board_sensors::tests::a_rail_past_a_threshold_sets_the_voltage_and_health_summaries`	ipmc-sensors board_sensors	PASS
`board_sensors::tests::board_simulator_starts_at_nominal_values`	ipmc-sensors board_sensors	PASS
`board_sensors::tests::enable_without_pgood_is_bad_only_while_enabled`	ipmc-sensors board_sensors	PASS
`board_sensors::tests::fault_inputs_make_health_bad`	ipmc-sensors board_sensors	PASS
`board_sensors::tests::nominal_board_is_healthy_in_range_and_cool`	ipmc-sensors board_sensors	PASS
`board_sensors::tests::payload_shut_down_needs_pgood_read_low_and_pwr_en_released`	ipmc-sensors board_sensors	PASS
`board_sensors::tests::temperature_thresholds_reach_the_reading_and_health`	ipmc-sensors board_sensors	PASS
`board_sensors::tests::the_table_matches_the_documented_board`	ipmc-sensors board_sensors	PASS
`board_sensors::tests::unreadable_fault_input_is_kept_in_the_snapshot_and_makes_health_bad`	ipmc-sensors board_sensors	PASS
`board_sensors::tests::unreadable_pgood_counts_as_not_good_while_enabled`	ipmc-sensors board_sensors	PASS
`board_sensors::tests::unreadable_sources_become_unavailable_not_invented`	ipmc-sensors board_sensors	PASS
`drivers::i2c::ina226::tests::both_die_revisions_are_accepted`	ipmc-sensors drivers i2c ina226	PASS
`drivers::i2c::ina226::tests::bus_voltage_is_1_25_mv_per_lsb`	ipmc-sensors drivers i2c ina226	PASS
`drivers::i2c::ina226::tests::configuration_fields_come_from_the_header_choices`	ipmc-sensors drivers i2c ina226	PASS
`drivers::i2c::ina226::tests::init_checks_ids_and_writes_the_configuration`	ipmc-sensors drivers i2c ina226	PASS
`drivers::i2c::ina226::tests::no_voltage_before_the_first_conversion_is_complete`	ipmc-sensors drivers i2c ina226	PASS
`drivers::i2c::ina226::tests::other_channels_and_bus_faults_are_rejected`	ipmc-sensors drivers i2c ina226	PASS
`drivers::i2c::ina226::tests::wrong_ids_and_missing_part_are_named`	ipmc-sensors drivers i2c ina226	PASS
`drivers::i2c::pca9555::tests::enable_sets_and_clears_only_its_pin`	ipmc-sensors drivers i2c pca9555	PASS
`drivers::i2c::pca9555::tests::failed_enable_write_is_returned_and_keeps_the_confirmed_state`	ipmc-sensors drivers i2c pca9555	PASS
`drivers::i2c::pca9555::tests::init_clears_polarity_inversion_left_by_an_earlier_run`	ipmc-sensors drivers i2c pca9555	PASS

Test	Area	Result
`drivers::i2c::pca9555::tests::init_drives_low_before_making_the_enable_an_output`	ipmc-sensors drivers i2c pca9555	PASS
`drivers::i2c::pca9555::tests::inputs_read_the_mapped_pins`	ipmc-sensors drivers i2c pca9555	PASS
`drivers::i2c::pca9555::tests::pins_past_15_are_refused`	ipmc-sensors drivers i2c pca9555	PASS
`drivers::sim::analog::tests::rails_are_adjustable_and_unknown_channels_rejected`	ipmc-sensors drivers sim analog	PASS
`drivers::sim::analog::tests::starts_at_the_given_values`	ipmc-sensors drivers sim analog	PASS
`drivers::sim::digital::tests::inputs_start_at_the_header_levels_and_follow_set_level`	ipmc-sensors drivers sim digital	PASS
`drivers::sim::digital::tests::with_levels_sets_each_pin`	ipmc-sensors drivers sim digital	PASS
`drivers::sim::power::tests::power_remembers_the_commanded_level`	ipmc-sensors drivers sim power	PASS
`drivers::spi::mcp3208::tests::bad_channel_bus_fault_and_unmeasured_quantities`	ipmc-sensors drivers spi mcp3208	PASS
`drivers::spi::mcp3208::tests::command_frame_carries_start_single_ended_and_channel`	ipmc-sensors drivers spi mcp3208	PASS
`drivers::spi::mcp3208::tests::counts_become_millivolts_of_vref`	ipmc-sensors drivers spi mcp3208	PASS
`eval::faults::tests::a_pulled_low_input_follows_its_polarity_and_health_flag`	ipmc-sensors eval faults	PASS
`eval::faults::tests::all_pins_high_asserts_only_pgood`	ipmc-sensors eval faults	PASS
`eval::faults::tests::an_unreadable_input_is_flagged_and_never_asserted`	ipmc-sensors eval faults	PASS
`eval::faults::tests::names_match_ignoring_case_and_underscores`	ipmc-sensors eval faults	PASS
`eval::led::tests::activity_blinks_at_ten_hertz_half_duty`	ipmc-sensors eval led	PASS
`eval::led::tests::activity_hold_survives_counter_wrap`	ipmc-sensors eval led	PASS
`eval::led::tests::fault_blinks_forever_and_ignores_activity`	ipmc-sensors eval led	PASS
`eval::led::tests::heartbeat_is_a_pulse_at_the_start_of_each_period`	ipmc-sensors eval led	PASS
`eval::led::tests::hold_expires_back_to_heartbeat`	ipmc-sensors eval led	PASS
`eval::led::tests::manual_blink_is_half_duty_at_the_commanded_rate`	ipmc-sensors eval led	PASS
`eval::led::tests::manual_modes_ignore_activity`	ipmc-sensors eval led	PASS
`eval::led::tests::no_activity_means_heartbeat_even_early_after_boot`	ipmc-sensors eval led	PASS
`eval::led::tests::rates_of_each_shown_state`	ipmc-sensors eval led	PASS
`eval::led::tests::stamp_never_collides_with_the_sentinel`	ipmc-sensors eval led	PASS
`eval::led::tests::the_32_bit_phase_equals_the_64_bit_formula`	ipmc-sensors eval led	PASS
`eval::power_fsm::tests::a_failed_enable_write_latches_a_fault_with_the_reason`	ipmc-sensors eval power_fsm	PASS
`eval::power_fsm::tests::a_step_moves_the_controller_and_sets_the_enable_and_the_fault`	ipmc-sensors eval power_fsm	PASS
`eval::power_fsm::tests::fault_latches_until_off_or_clear`	ipmc-sensors eval power_fsm	PASS
`eval::power_fsm::tests::faults_and_errors_print_their_reason`	ipmc-sensors eval power_fsm	PASS
`eval::power_fsm::tests::off_and_fault_ignore_pgood`	ipmc-sensors eval power_fsm	PASS
`eval::power_fsm::tests::off_to_requested_asserts_enable`	ipmc-sensors eval power_fsm	PASS
`eval::power_fsm::tests::pgood_in_the_timeout_step_wins`	ipmc-sensors eval power_fsm	PASS
`eval::power_fsm::tests::power_off_and_power_clear_both_clear_a_latched_fault`	ipmc-sensors eval power_fsm	PASS

Test	Area	Result
`eval::power_fsm::tests::power_off_from_requested_and_on`	ipmc-sensors eval power_fsm	PASS
`eval::power_fsm::tests::refused_commands`	ipmc-sensors eval power_fsm	PASS
`eval::power_fsm::tests::starts_off_with_enable_released`	ipmc-sensors eval power_fsm	PASS
`eval::power_fsm::tests::timeout_survives_counter_wrap`	ipmc-sensors eval power_fsm	PASS
`eval::rail::tests::edges_are_in_range_and_one_millivolt_past_is_not`	ipmc-sensors eval rail	PASS
`eval::rail::tests::rail_two_at_4400_is_critical_and_at_5000_in_range`	ipmc-sensors eval rail	PASS
`eval::rail::tests::scale_names_a_zero_denominator_and_an_overflow`	ipmc-sensors eval rail	PASS
`eval::rail::tests::scale_rounds_to_nearest`	ipmc-sensors eval rail	PASS
`eval::rail::tests::the_edges_are_the_ones_evaluate_uses`	ipmc-sensors eval rail	PASS
`eval::temperature::tests::board_limits_from_the_defines_are_signed_degrees`	ipmc-sensors eval temperature	PASS
`eval::temperature::tests::calibration_must_be_present_and_ordered`	ipmc-sensors eval temperature	PASS
`eval::temperature::tests::extreme_inputs_are_named_errors_not_overflows`	ipmc-sensors eval temperature	PASS
`eval::temperature::tests::lower_critical_at_minus_ten_and_below`	ipmc-sensors eval temperature	PASS
`eval::temperature::tests::pin_millivolts_from_counts`	ipmc-sensors eval temperature	PASS
`eval::temperature::tests::rounding_is_half_away_from_zero`	ipmc-sensors eval temperature	PASS
`eval::temperature::tests::temperature_corrects_for_vdda`	ipmc-sensors eval temperature	PASS
`eval::temperature::tests::temperature_hits_the_calibration_points`	ipmc-sensors eval temperature	PASS
`eval::temperature::tests::thresholds_use_at_or_below_and_at_or_above`	ipmc-sensors eval temperature	PASS
`eval::temperature::tests::vdda_follows_vrefint`	ipmc-sensors eval temperature	PASS
`monitor::tests::a_pgood_that_is_low_or_unreadable_times_out_to_the_latched_fault`	ipmc-sensors monitor	PASS
`monitor::tests::a_power_request_runs_the_one_power_on_check`	ipmc-sensors monitor	PASS
`monitor::tests::an_enable_write_fault_keeps_payload_shut_down_false`	ipmc-sensors monitor	PASS
`monitor::tests::events_level_prints_changes_but_no_sample_lines`	ipmc-sensors monitor	PASS
`monitor::tests::failed_power_off_keeps_reporting_on_and_retries_until_it_succeeds`	ipmc-sensors monitor	PASS
`monitor::tests::failed_power_on_write_latches_a_fault_and_reports_the_error`	ipmc-sensors monitor	PASS
`monitor::tests::first_sample_is_due_at_once_then_every_period`	ipmc-sensors monitor	PASS
`monitor::tests::payload_shut_down_needs_a_released_output_and_a_deasserted_pgood`	ipmc-sensors monitor	PASS
`monitor::tests::pgood_lost_while_on_latches_a_fault`	ipmc-sensors monitor	PASS
`monitor::tests::power_on_with_pgood_reaches_on_at_the_next_sample`	ipmc-sensors monitor	PASS
`monitor::tests::rail_crossing_prints_a_change_line_and_updates_the_snapshot`	ipmc-sensors monitor	PASS
`monitor::tests::trace_off_prints_nothing_and_power_off_is_idempotent`	ipmc-sensors monitor	PASS
`monitor::tests::unreadable_fault_input_is_traced_as_unreadable_and_health_is_bad`	ipmc-sensors monitor	PASS
`monitor::tests::unreadable_pgood_while_on_is_pgood_lost`	ipmc-sensors monitor	PASS
`pin_claims::tests::alternate_function_nibbles_split_between_low_and_high`	ipmc-sensors pin_claims	PASS

Test	Area	Result
`pin_claims::tests::bsrr_sets_and_resets_only_masked_pins`	ipmc-sensors pin_claims	PASS
`pin_claims::tests::claims_succeed_on_free_pins_and_record_owner`	ipmc-sensors pin_claims	PASS
`pin_claims::tests::double_claim_names_both_owners_and_changes_nothing`	ipmc-sensors pin_claims	PASS
`pin_claims::tests::empty_mask_is_refused`	ipmc-sensors pin_claims	PASS
`pin_claims::tests::empty_owner_is_refused_and_reserves_nothing`	ipmc-sensors pin_claims	PASS
`pin_claims::tests::field_masks`	ipmc-sensors pin_claims	PASS
`pin_claims::tests::merge_keeps_other_bits`	ipmc-sensors pin_claims	PASS
`pin_claims::tests::pin_id_makes_a_one_bit_mask`	ipmc-sensors pin_claims	PASS
`pin_claims::tests::same_pin_on_another_port_is_free`	ipmc-sensors pin_claims	PASS
`reset_pulse::tests::a_refused_assert_records_nothing_and_a_refused_release_is_retried`	ipmc-sensors reset_pulse	PASS
`reset_pulse::tests::a_second_request_restarts_the_time_and_the_clock_may_wrap`	ipmc-sensors reset_pulse	PASS
`reset_pulse::tests::the_output_is_asserted_for_the_pulse_time_and_then_released`	ipmc-sensors reset_pulse	PASS
`routing::tests::analog_groups_route_independently`	ipmc-sensors routing	PASS
`routing::tests::external_sources_have_no_bus_and_answer_unavailable`	ipmc-sensors routing	PASS
`routing::tests::hardware_selected_without_backend_is_unavailable`	ipmc-sensors routing	PASS
`routing::tests::hardware_selected_without_backend_reports_a_failed_enable`	ipmc-sensors routing	PASS
`routing::tests::input_index_matches_all`	ipmc-sensors routing	PASS
`routing::tests::io_routes_inputs_and_power_independently`	ipmc-sensors routing	PASS
`routing::tests::simulated_groups_need_no_hardware`	ipmc-sensors routing	PASS
`trace::tests::an_unreadable_input_is_reported_as_unreadable_never_cleared`	ipmc-sensors trace	PASS
`trace::tests::identical_snapshots_print_nothing`	ipmc-sensors trace	PASS
`trace::tests::input_and_temperature_changes_are_reported`	ipmc-sensors trace	PASS
`trace::tests::levels_follow_the_defines_and_parse_their_names`	ipmc-sensors trace	PASS
`trace::tests::rail_crossing_prints_one_event_with_the_millivolts`	ipmc-sensors trace	PASS
`trace::tests::sample_line_lists_rails_temperature_inputs_and_summaries`	ipmc-sensors trace	PASS
`trace::tests::tenths_prints_sign_and_one_decimal`	ipmc-sensors trace	PASS

analog_context (5 cases)

Test	Area	Result
`before_the_first_sample_the_analog_sensors_are_unavailable`	ipmc-sensors analog_context	PASS
`each_analog_number_reads_in_counts_and_the_next_one_is_absent`	ipmc-sensors analog_context	PASS
`record_and_sensor_counts_per_tier_and_the_walk_ends_at_ffff`	ipmc-sensors analog_context	PASS
`the_enables_of_the_analog_sensors_start_off`	ipmc-sensors analog_context	PASS
`without_the_hook_the_analog_numbers_do_not_exist`	ipmc-sensors analog_context	PASS

14. Rust tests: ipmc-wire

unit tests (10 cases)

Test	Area	Result
`sha256::tests::a_480_kb_buffer_matches_the_reference`	ipmc-wire sha256	PASS
`sha256::tests::chunked_feeding_equals_one_call`	ipmc-wire sha256	PASS
`sha256::tests::every_length_to_300_matches_the_reference`	ipmc-wire sha256	PASS
`sha256::tests::fips_180_4_example_messages`	ipmc-wire sha256	PASS
`tests::builder_pushes_and_reports_length`	ipmc-wire crate root	PASS
`tests::check_word_is_the_xor_of_the_words_and_the_magic`	ipmc-wire crate root	PASS
`tests::checksum_known_values`	ipmc-wire crate root	PASS
`tests::crc32_matches_the_standard_check_value_and_empty_input`	ipmc-wire crate root	PASS
`tests::hex_tokens_parse_with_and_without_the_prefix`	ipmc-wire crate root	PASS
`tests::type_length_field_is_c0_or_length_then_text`	ipmc-wire crate root	PASS

15. Python suites

tools/test_defs.py (7 executed cases)

Test	Area	Result
`test_a_value_rustfmt_wraps_is_joined`	tools/test_defs.py FixtureTests	PASS
`test_forms`	tools/test_defs.py FixtureTests	PASS
`test_rejections_name_the_line`	tools/test_defs.py FixtureTests	PASS
`test_get_gives_the_value_or_the_default`	tools/test_defs.py GetTests	PASS
`test_every_item_has_a_value_of_a_known_kind`	tools/test_defs.py RealFileTests	PASS
`test_known_values`	tools/test_defs.py RealFileTests	PASS
`test_the_tier_strings_follow_the_tier`	tools/test_defs.py RealFileTests	PASS

tools/app-port (45 executed cases)

Test	Area	Result
`test_interactive_mode_does_not_send_a_tagged_line_that_is_too_long`	tools/app-port LineLengthTests	PASS
`test_interactive_mode_refuses_the_line_and_goes_on`	tools/app-port LineLengthTests	PASS
`test_main_returns_2_when_a_tagged_request_is_too_long`	tools/app-port LineLengthTests	PASS
`test_the_tag_counts_toward_the_limit_and_nothing_is_written_when_it_is_exceeded`	tools/app-port LineLengthTests	PASS
`test_a_request_longer_than_the_line_limit_is_refused_before_the_port_opens`	tools/app-port MainTests	PASS
`test_main_returns_1_on_an_error_answer_and_closes_the_port`	tools/app-port MainTests	PASS
`test_main_returns_1_when_nothing_answers`	tools/app-port MainTests	PASS
`test_main_sends_each_argument_and_returns_zero_when_all_are_ok`	tools/app-port MainTests	PASS
`test_a_non_ascii_request_is_refused_and_nothing_is_written`	tools/app-port NonAsciiTests	PASS
`test_main_returns_2_with_a_message_and_does_not_open_the_port`	tools/app-port NonAsciiTests	PASS
`test_run_requests_prints_the_message_and_goes_on`	tools/app-port NonAsciiTests	PASS
`test_a_data_key_that_starts_like_ok_does_not_end_the_answer`	tools/app-port ParsingTests	PASS
`test_an_empty_value_and_the_two_blank_empty_field_line_are_data_lines`	tools/app-port ParsingTests	PASS
`test_an_error_line_ends_the_answer_with_its_code_and_sentence`	tools/app-port ParsingTests	PASS
`test_help_rows_are_lines_of_the_answer_but_not_data`	tools/app-port ParsingTests	PASS
`test_is_final_accepts_ok_ok_with_a_tag_and_error_only`	tools/app-port ParsingTests	PASS
`test_prompt_and_echo_lines_are_skipped_data_is_collected_and_ok_ends_the_answer`	tools/app-port ParsingTests	PASS
`test_the_final_line_words_are_read`	tools/app-port ParsingTests	PASS
`test_main_raw_uses_the_terminal_and_closes_the_port`	tools/app-port RawTests	PASS

Test	Area	Result
`test_raw_ends_when_idle_says_so`	tools/app-port RawTests	PASS
`test_raw_passes_keys_to_the_port_and_bytes_back_until_ctrl_right_bracket`	tools/app-port RawTests	PASS
`test_interactive_ends_at_end_of_input`	tools/app-port RunTests	PASS
`test_interactive_stops_at_quit_and_skips_blank_lines`	tools/app-port RunTests	PASS
`test_requests_print_the_data_lines_and_the_final_line_and_report_failure`	tools/app-port RunTests	PASS
`test_opening_the_port_clears_what_arrived_before`	tools/app-port SerialOpenTests	PASS
`test_a_missing_header_gives_the_default`	tools/app-port SettingsTests	PASS
`test_the_header_values_are_read`	tools/app-port SettingsTests	PASS
`test_the_prompt_is_the_one_in_defs_rs`	tools/app-port SettingsTests	PASS
`test_a_bare_line_after_a_sync_that_is_not_the_request_is_not_the_echo`	tools/app-port SyncTests	PASS
`test_a_line_is_the_echo_only_when_the_prompt_is_followed_by_exactly_the_request`	tools/app-port SyncTests	PASS
`test_a_timeout_or_a_partial_line_makes_the_next_request_sync_again`	tools/app-port SyncTests	PASS
`test_after_a_sync_the_bare_echo_is_the_echo_and_not_the_answer`	tools/app-port SyncTests	PASS
`test_no_prompt_after_the_cr_is_no_answer_and_nothing_is_sent`	tools/app-port SyncTests	PASS
`test_the_client_syncs_with_the_prompt_before_its_first_request_only`	tools/app-port SyncTests	PASS
`test_the_serial_transport_sends_one_cr_and_reads_until_the_prompt`	tools/app-port SyncTests	PASS
`test_without_tags_the_echo_of_ok_is_not_its_answer`	tools/app-port SyncTests	PASS
`test_a_request_goes_out_with_a_tag_and_crlf_and_the_tagged_answer_returns`	tools/app-port TagTests	PASS
`test_a_timeout_returns_none`	tools/app-port TagTests	PASS
`test_an_answer_with_another_tag_is_skipped_with_its_data_lines`	tools/app-port TagTests	PASS
`test_an_error_answer_is_matched_by_its_tag_too`	tools/app-port TagTests	PASS
`test_an_untagged_error_for_a_lost_request_ends_this_requests_answer`	tools/app-port TagTests	PASS
`test_an_untagged_error_of_another_code_does_not_end_the_answer`	tools/app-port TagTests	PASS
`test_tags_count_up_per_request_and_fit_the_protocol_tag`	tools/app-port TagTests	PASS
`test_the_tags_of_a_run_start_from_the_clock_not_from_one`	tools/app-port TagTests	PASS
`test_without_tags_the_first_final_line_is_the_answer`	tools/app-port TagTests	PASS

tools/chassis-manager (100 executed cases)

Test	Area	Result
`test_a_target_that_answers_again_inside_the_recovery_time_passes`	tools/chassis-manager CommandsToTheIpmcTests	PASS
`test_a_target_that_never_answers_again_fails_the_run`	tools/chassis-manager CommandsToTheIpmcTests	PASS
`test_an_answer_after_the_recovery_time_is_not_a_recovery`	tools/chassis-manager CommandsToTheIpmcTests	PASS

Test	Area	Result
`test_set_event_receiver_sends_the_manager_address_and_c1h_is_not_a_failure`	tools/chassis-manager CommandsToTheIpmcTests	PASS
`test_timeouts_after_the_recovery_time_are_lost_readings`	tools/chassis-manager CommandsToTheIpmcTests	PASS
`test_a_retry_on_the_same_bus_breaks_the_alternation`	tools/chassis-manager CrossCheckAlternationTests	PASS
`test_one_answer_on_a_then_all_on_b_is_not_alternation`	tools/chassis-manager CrossCheckAlternationTests	PASS
`test_strict_alternation_after_set_ipmb_state_is_recognised`	tools/chassis-manager CrossCheckAlternationTests	PASS
`test_the_bus_difference_is_expected_only_when_ours_alternates`	tools/chassis-manager CrossCheckAlternationTests	PASS
`test_without_transmissions_or_an_enable_event_alternation_is_not_established`	tools/chassis-manager CrossCheckAlternationTests	PASS
`test_a_cancelled_reservation_is_counted_in_both_commands`	tools/chassis-manager CrossCheckCountTests	PASS
`test_a_count_difference_without_an_explanation_is_unexpected`	tools/chassis-manager CrossCheckCountTests	PASS
`test_a_cycle_count_that_does_not_fit_the_duration_is_unexpected`	tools/chassis-manager CrossCheckCountTests	PASS
`test_a_missing_chunk_in_ours_is_unexpected`	tools/chassis-manager CrossCheckCountTests	PASS
`test_a_missing_last_read_of_a_captured_record_is_unexpected`	tools/chassis-manager CrossCheckCountTests	PASS
`test_a_poll_count_that_is_not_cycles_times_sensors_is_unexpected`	tools/chassis-manager CrossCheckCountTests	PASS
`test_a_read_the_capture_lost_in_front_of_a_later_read_is_noted_and_expected`	tools/chassis-manager CrossCheckCountTests	PASS
`test_extra_reserves_in_ours_are_unexpected`	tools/chassis-manager CrossCheckCountTests	PASS
`test_sdr_counts_that_follow_from_the_record_lengths_are_expected`	tools/chassis-manager CrossCheckCountTests	PASS
`test_the_poll_count_follows_from_the_run_parameters`	tools/chassis-manager CrossCheckCountTests	PASS
`test_a_capabilities_response_of_only_the_completion_code_is_unexpected`	tools/chassis-manager CrossCheckLengthTests	PASS
`test_a_capabilities_response_shorter_than_the_mandatory_length_is_unexpected`	tools/chassis-manager CrossCheckLengthTests	PASS
`test_a_response_of_a_command_without_a_length_exception_must_match_in_length`	tools/chassis-manager CrossCheckLengthTests	PASS
`test_a_short_sensor_reading_is_unexpected_and_a_missing_fifth_byte_is_expected`	tools/chassis-manager CrossCheckLengthTests	PASS
`test_extra_trailing_bytes_after_the_mandatory_length_are_expected`	tools/chassis-manager CrossCheckLengthTests	PASS
`test_a_defined_health_state_difference_is_expected`	tools/chassis-manager CrossCheckMaskTests	PASS
`test_a_different_layer_is_unexpected`	tools/chassis-manager CrossCheckMaskTests	PASS
`test_a_reserved_bit_in_the_identifier_byte_is_unexpected`	tools/chassis-manager CrossCheckMaskTests	PASS
`test_a_reserved_sensor_bit_is_unexpected`	tools/chassis-manager CrossCheckMaskTests	PASS
`test_an_invalid_health_value_is_unexpected`	tools/chassis-manager CrossCheckMaskTests	PASS
`test_an_invalid_tier_value_is_unexpected`	tools/chassis-manager CrossCheckMaskTests	PASS
`test_event_enable_is_excused_but_scanning_enabled_is_not`	tools/chassis-manager CrossCheckMaskTests	PASS
`test_ffh_in_the_identifier_byte_is_unexpected`	tools/chassis-manager CrossCheckMaskTests	PASS

Test	Area	Result
`test_the_fru_state_activating_is_expected_but_not_a_reserved_or_second_state_bit`	tools/chassis-manager CrossCheckMaskTests	PASS
`test_tier_1_against_tier_2_is_expected`	tools/chassis-manager CrossCheckMaskTests	PASS
`test_one_interface_makes_the_missing_ipmb_b_expected`	tools/chassis-manager CrossCheckOneInterfaceTests	PASS
`test_one_interface_with_a_transmission_on_b_is_unexpected`	tools/chassis-manager CrossCheckOneInterfaceTests	PASS
`test_two_interfaces_keep_a_missing_set_ipmb_state_and_bus_b_unexpected`	tools/chassis-manager CrossCheckOneInterfaceTests	PASS
`test_a_request_answered_in_ours_but_timed_out_in_the_capture_is_unexpected`	tools/chassis-manager CrossCheckTimeoutTests	PASS
`test_a_request_that_timed_out_in_ours_but_was_answered_in_the_capture_is_unexpected`	tools/chassis-manager CrossCheckTimeoutTests	PASS
`test_a_timeout_the_capture_never_sent_is_unexpected`	tools/chassis-manager CrossCheckTimeoutTests	PASS
`test_all_polls_timing_out_is_not_a_clean_run`	tools/chassis-manager CrossCheckTimeoutTests	PASS
`test_get_device_id_prints_the_version`	tools/chassis-manager DecoderTests	PASS
`test_the_ipmi_version_has_the_major_in_the_low_nibble`	tools/chassis-manager DecoderTests	PASS
`test_a_silent_address_is_not_discovered`	tools/chassis-manager DiscoveryTests	PASS
`test_an_ipmc_that_answers_an_error_to_both_forms_is_not_discovered`	tools/chassis-manager DiscoveryTests	PASS
`test_an_ipmc_that_answers_only_the_broadcast_form_is_discovered`	tools/chassis-manager DiscoveryTests	PASS
`test_a_frame_of_an_older_epoch_delivered_after_the_reset_is_dropped`	tools/chassis-manager EpochTests	PASS
`test_the_adapter_reset_drops_the_old_board_by_epoch`	tools/chassis-manager EpochTests	PASS
`test_the_interface_hands_the_epoch_to_its_router`	tools/chassis-manager EpochTests	PASS
`test_the_reader_tags_each_frame_line_with_the_number_of_ready_lines_before_it`	tools/chassis-manager EpochTests	PASS
`test_a_bad_checksum_or_another_address_is_not_answered`	tools/chassis-manager EventReceiverTests	PASS
`test_a_new_sequence_number_or_a_repeat_after_t9_is_a_new_event`	tools/chassis-manager EventReceiverTests	PASS
`test_an_event_that_arrives_while_a_request_waits_is_answered_on_its_bus`	tools/chassis-manager EventReceiverTests	PASS
`test_another_request_to_the_manager_is_answered_c1h_and_recorded`	tools/chassis-manager EventReceiverTests	PASS
`test_decoder_texts`	tools/chassis-manager EventReceiverTests	PASS
`test_idle_answers_a_request_that_arrives_between_requests`	tools/chassis-manager EventReceiverTests	PASS
`test_the_duplicate_key_leaves_out_the_event_data`	tools/chassis-manager EventReceiverTests	PASS
`test_the_event_record_has_the_decoded_fields`	tools/chassis-manager EventReceiverTests	PASS
`test_the_literal_frames_match_the_builders`	tools/chassis-manager EventReceiverTests	PASS
`test_the_summary_carries_the_events_and_the_counts`	tools/chassis-manager EventReceiverTests	PASS
`test_tier_2_answers_00h_and_tier_1_answers_c1h_and_records_it_as_refused`	tools/chassis-manager EventReceiverTests	PASS
`test_withheld_frames_get_no_answer_then_the_retry_is_answered_as_a_duplicate`	tools/chassis-manager EventReceiverTests	PASS

Test	Area	Result
`test_without_a_receiver_a_request_to_the_manager_is_dropped`	tools/chassis-manager EventReceiverTests	PASS
`test_a_failed_area_info_makes_the_run_fail`	tools/chassis-manager FruAccessTests	PASS
`test_a_failed_read_makes_the_run_fail`	tools/chassis-manager FruAccessTests	PASS
`test_a_fru_that_does_not_decode_makes_the_run_fail`	tools/chassis-manager FruAccessTests	PASS
`test_an_odd_size_in_words_is_read_whole_and_cut_to_the_size`	tools/chassis-manager FruAccessTests	PASS
`test_byte_addressed_fru_is_read_with_offsets_and_counts_in_bytes`	tools/chassis-manager FruAccessTests	PASS
`test_the_access_unit_comes_from_bit_0_of_the_area_info`	tools/chassis-manager FruAccessTests	PASS
`test_word_addressed_fru_is_read_with_offsets_and_counts_in_words`	tools/chassis-manager FruAccessTests	PASS
`test_a_broadcast_goes_to_the_general_call_address`	tools/chassis-manager LinkPolicy	PASS
`test_a_bus_that_keeps_timing_out_while_the_other_answers_is_marked_failed`	tools/chassis-manager LinkPolicy	PASS
`test_a_request_gets_its_response_and_checks_the_completion_code`	tools/chassis-manager LinkPolicy	PASS
`test_a_retry_keeps_the_sequence_number_and_goes_to_the_other_bus`	tools/chassis-manager LinkPolicy	PASS
`test_a_silent_target_does_not_mark_a_bus_failed`	tools/chassis-manager LinkPolicy	PASS
`test_a_silent_target_is_retried_c1_times_then_times_out`	tools/chassis-manager LinkPolicy	PASS
`test_a_single_bus_retries_on_that_bus`	tools/chassis-manager LinkPolicy	PASS
`test_alternation_follows_the_last_transmission_including_retries`	tools/chassis-manager LinkPolicy	PASS
`test_another_command_may_reuse_the_sequence_number_within_t9`	tools/chassis-manager LinkPolicy	PASS
`test_ipmb_a_only_until_b_is_enabled`	tools/chassis-manager LinkPolicy	PASS
`test_messages_alternate_between_the_enabled_buses_starting_on_a`	tools/chassis-manager LinkPolicy	PASS
`test_production_timeouts_stay_within_t3`	tools/chassis-manager LinkPolicy	PASS
`test_sequence_numbers_count_up_modulo_64`	tools/chassis-manager LinkPolicy	PASS
`test_the_same_command_waits_out_t9_before_its_sequence_number_is_used_again`	tools/chassis-manager LinkPolicy	PASS
`test_the_spec_limits_are_enforced`	tools/chassis-manager LinkPolicy	PASS
`test_tries_override_for_discovery`	tools/chassis-manager LinkPolicy	PASS
`test_a_short_response_has_no_record_id`	tools/chassis-manager LocatorRecordIdTests	PASS
`test_the_decoded_text_names_the_record`	tools/chassis-manager LocatorRecordIdTests	PASS
`test_the_record_id_is_read_little_endian`	tools/chassis-manager LocatorRecordIdTests	PASS
`test_a_timeout_for_one_target_marks_no_bus_failed_for_another`	tools/chassis-manager PerTargetBusTests	PASS
`test_ipmb_b_is_used_only_for_the_target_it_was_enabled_for`	tools/chassis-manager PerTargetBusTests	PASS
`test_the_enable_events_name_the_exchange_count`	tools/chassis-manager PerTargetBusTests	PASS
`test_a_failed_self_test_command_fails`	tools/chassis-manager PollingChecksTests	PASS
`test_a_good_poll_passes`	tools/chassis-manager PollingChecksTests	PASS
`test_an_error_completion_code_in_the_poll_fails`	tools/chassis-manager PollingChecksTests	PASS
`test_the_summary_lists_transmissions_checks_and_run_parameters`	tools/chassis-manager PollingChecksTests	PASS

Test	Area	Result
`test_a_locator_id_that_is_not_in_the_sdr_fails`	tools/chassis-manager SdrLocatorTests	PASS
`test_a_walk_that_stops_early_fails`	tools/chassis-manager SdrLocatorTests	PASS
`test_the_locator_check_uses_the_record_id_of_the_header_not_the_lookup_alias`	tools/chassis-manager SdrLocatorTests	PASS

tools/fwupdate (50 executed cases)

Test	Area	Result
`test_read_status_ends_within_its_limit_while_lines_keep_coming`	tools/fwupdate DeadlineTests	PASS
`test_wakeup_ends_within_its_limit_while_lines_keep_coming`	tools/fwupdate DeadlineTests	PASS
`test_broken_files_are_refused_naming_the_rule`	tools/fwupdate HexAndPrecheckTests	PASS
`test_byte_outside_the_app_region_is_refused`	tools/fwupdate HexAndPrecheckTests	PASS
`test_far_addresses_are_refused_before_any_large_allocation`	tools/fwupdate HexAndPrecheckTests	PASS
`test_good_image_passes_and_round_trips`	tools/fwupdate HexAndPrecheckTests	PASS
`test_other_file_faults`	tools/fwupdate HexAndPrecheckTests	PASS
`test_04_record_at_every_64k_boundary_and_trimmed_ends`	tools/fwupdate RechunkTests	PASS
`test_aligned_records_boundaries_and_skipped_blank_chunks`	tools/fwupdate RechunkTests	PASS
`test_every_record_line_fits_the_limit`	tools/fwupdate RechunkTests	PASS
`test_abort_after_range_error_names_the_record`	tools/fwupdate SequenceTests	PASS
`test_as_is_sends_the_file_records`	tools/fwupdate SequenceTests	PASS
`test_erase_actions_and_simple_commands`	tools/fwupdate SequenceTests	PASS
`test_erase_timeout_exits_3`	tools/fwupdate SequenceTests	PASS
`test_err_status_exits_1`	tools/fwupdate SequenceTests	PASS
`test_no_run_and_field_send_no_run`	tools/fwupdate SequenceTests	PASS
`test_other_exceptions_still_propagate`	tools/fwupdate SequenceTests	PASS
`test_precheck_refusal_sends_nothing_and_no_precheck_skips_it`	tools/fwupdate SequenceTests	PASS
`test_resend_after_checksum_error`	tools/fwupdate SequenceTests	PASS
`test_resend_after_line_damaged`	tools/fwupdate SequenceTests	PASS
`test_resume_after_err_aborted`	tools/fwupdate SequenceTests	PASS
`test_resume_drops_stale_input_before_load`	tools/fwupdate SequenceTests	PASS
`test_resumes_run_out`	tools/fwupdate SequenceTests	PASS
`test_retries_run_out`	tools/fwupdate SequenceTests	PASS
`test_serial_exception_is_a_refusal_not_a_traceback`	tools/fwupdate SequenceTests	PASS
`test_update_sequence`	tools/fwupdate SequenceTests	PASS
`test_verify_digest_comparison_is_skipped_as_is_and_without_a_header`	tools/fwupdate SequenceTests	PASS
`test_verify_digest_is_compared_with_the_file_header`	tools/fwupdate SequenceTests	PASS

Test	Area	Result
`test_a_partial_line_stays_for_the_next_call`	tools/fwupdate SerialTransportTests	PASS
`test_drain_drops_what_is_waiting_and_the_partial_line`	tools/fwupdate SerialTransportTests	PASS
`test_timeout_is_assigned_once_and_lines_split_from_one_read`	tools/fwupdate SerialTransportTests	PASS
`test_two_lines_in_one_read_are_two_results`	tools/fwupdate SerialTransportTests	PASS
`test_fallbacks_when_the_file_is_absent`	tools/fwupdate SettingsTests	PASS
`test_values_come_from_defs_rs`	tools/fwupdate SettingsTests	PASS
`test_values_follow_a_defs_file`	tools/fwupdate SettingsTests	PASS
`test_confirm_flag_sends_the_confirm_form_from_the_start`	tools/fwupdate WakeupTests	PASS
`test_confirm_needs_enter`	tools/fwupdate WakeupTests	PASS
`test_countdown_line_is_seen_and_the_prompt_reported`	tools/fwupdate WakeupTests	PASS
`test_enter_prints_the_answers_of_each_runtime_port`	tools/fwupdate WakeupTests	PASS
`test_enter_sends_the_runtime_command_first`	tools/fwupdate WakeupTests	PASS
`test_other_input_and_end_of_input_refuse_the_entry`	tools/fwupdate WakeupTests	PASS
`test_power_off_answers_need_no_prompt`	tools/fwupdate WakeupTests	PASS
`test_second_ok_in_flight_is_not_taken_for_the_next_status`	tools/fwupdate WakeupTests	PASS
`test_the_stdin_prompt_accepts_confirm_in_any_case`	tools/fwupdate WakeupTests	PASS
`test_usage_errors_exit_2`	tools/fwupdate WakeupTests	PASS
`test_wakeup_gives_up_with_exit_3`	tools/fwupdate WakeupTests	PASS
`test_wakeup_repeats_until_ok`	tools/fwupdate WakeupTests	PASS
`test_a_complete_write_returns`	tools/fwupdate WriteTests	PASS
`test_other_write_errors_propagate`	tools/fwupdate WriteTests	PASS
`test_write_timeout_short_write_and_stuck_output_are_boot_timeouts`	tools/fwupdate WriteTests	PASS

tools/capture (3 executed cases)

Test	Area	Result
`test_a_dump_converts_to_the_exact_pcap_bytes`	tools/capture Capture2PcapTests	PASS
`test_main_writes_the_pcap_and_the_csv`	tools/capture Capture2PcapTests	PASS
`test_text_outside_a_block_and_trace_blocks_are_ignored`	tools/capture Capture2PcapTests	PASS

tools/test_test_coverage.py (15 executed cases)

Test	Area	Result
`test_a_pipe_in_a_cell_is_escaped_and_whitespace_is_folded`	tools/test_test_coverage.py AreaAndSplit	PASS
`test_area_names_the_package_and_module`	tools/test_test_coverage.py AreaAndSplit	PASS
`test_cases_only_the_extension_build_has_are_split_off`	tools/test_test_coverage.py AreaAndSplit	PASS

Test	Area	Result
`test_a_binary_and_a_library_of_one_package_are_told_apart_by_their_source_file`	tools/test_test_coverage.py CargoTests	PASS
`test_every_test_line_gets_its_package_target_and_result`	tools/test_test_coverage.py CargoTests	PASS
`test_read_targets_normalises_names_and_paths`	tools/test_test_coverage.py CargoTests	PASS
`test_board_report_counts_the_last_cell_by_section`	tools/test_test_coverage.py DocumentParsers	PASS
`test_boot_plan_rows_take_the_status_from_the_result_cell`	tools/test_test_coverage.py DocumentParsers	PASS
`test_conformance_report_totals`	tools/test_test_coverage.py DocumentParsers	PASS
`test_gaps_are_the_numbered_rows_of_section_7`	tools/test_test_coverage.py DocumentParsers	PASS
`test_no_summary_fails`	tools/test_test_coverage.py ReplayTests	PASS
`test_other_numbers_fail`	tools/test_test_coverage.py ReplayTests	PASS
`test_the_expected_numbers_pass`	tools/test_test_coverage.py ReplayTests	PASS
`test_a_count_that_disagrees_with_ran_is_an_error`	tools/test_test_coverage.py UnittestTests	PASS
`test_results_after_noise_and_skips_are_read`	tools/test_test_coverage.py UnittestTests	PASS

16. Emulator replay

The replay of the captured Chassis Manager traffic (`local_only/vectors/sbc_ab.vec` , local only) through the emulator, compared with the numbers of CLAUDE.md gate 9.

Build	Summary line	Against the expected numbers	Result
Tier-1 (IPMC_TIER23=0)	`PASS requests=309 answered=309 match=44 same_cc=61 cc_diff=115 not_implemented=89 unanswered=0 no_bus=0 bus_differs=91 malformed=0`	match 44 same_cc 61 cc_diff 115 not_implemented 89; expected 44/61/115/89	PASS

17. Board tests

Phase 12 bench table (`local_only/Documentation/ipmc_boot_plan.md` 13.3)

Test	What	Result
B1	Drive copy of `ipmc-board.bin` (default `IPMC_BOOT_COUNTDOWN 3`), power-on, nothing sent	PASS
B2	Time from reset to the runtime banner, with the default countdown and with `IPMC_BOOT_COUNTDOWN 0` (define restored byte for byte afterwards)	PASS
B3	`DEBUG BOOTLOADER` on COM3 (payload power on: the two `Payload power is on ...` / `Send DEBUG BOOTLOADER CONFIRM to restart` lines and no restart; then `DEBUG BOOTLOADER CONFIRM`), then `fwupdate.py --port COM5 wakeup`	PASS
B4	`BOOTLOADER` on the app port (`tools/app-port`; payload power on: `ERROR CONFIRM: ...` and no restart; then `BOOTLOADER CONFIRM`), then `WAKEUP` on COM3	PASS
B5	Full update on COM5: a runtime built with a changed version	PASS
B6	Full update on COM3	PASS
B7	`LOAD` before an erase; `ERASE APP` then another line instead of `CONFIRM`	PASS
B8	A hand-made hex with one record at 0x0800_0000 and one at 0x0800_8000, sent with `--no-precheck` after `ERASE APP`	PASS
B9	One record with a damaged checksum (tool test option)	PASS
B10	A hex with one data byte changed and its record checksum corrected (`--no-precheck`)	PASS
B13	`ERASE FRU` + `CONFIRM`, then `RUN`	PASS
B17	`DEBUG BOOTLOADER`, `WAKEUP`, then `RESET` with a valid runtime and the pin open	PASS
B18	Board with sectors 3-7 erased (SWD erase or `ERASE APP` then reset)	PASS
B19	IPMB during a session	PASS
B22	Countdown entry instead of the PC10 jumper: `fwupdate.py --port COM5 wakeup`, then press the black reset button	PASS
B23	As B22 on COM3	PASS
B24	`WAKEUP` sent after the last digit (tool started late)	PASS
B25	Prompt check	PASS

Board test report (`local_only/Documentation/board_test_report.md`, written 2026-11-13 12:23:19)

The report is generated by `tools/board_test_report.py` against the board; this tool reads it and does not run it.

Section	PASS	FAIL
A. Environment	7	0
B. Command line (Phase 8)	27	0
C. Chassis Manager (Phase 7)	11	0
D. Conformance (Phase 7)	99	0
E. Link and driver health	8	0
F. FRU persistence (Phase 6b)	8	0

Section	PASS	FAIL
Total	160	0

Tier-1 conformance reports

Stored requirement-level results are separate from Rust/Python unit tests. The strict emulator run uses alternate responses and strict IPMB-B power-up. The physical board run uses one Aardvark on IPMB-A. Only executed checks are shown.

Report	Written	PASS	FAIL
conformance_emu.md	2026-11-13 12:21	103	0
conformance_board.md	2026-11-13 12:27	98	0

18. Tier-2/3 extension

The build with the extension (`IPMC_TIER23=1`) runs 853 cases: the 800 public cases above and 53 that exist only with the extension, listed here by crate and target.

Public cases in the extension run: 800, 0 failed.

19. Tier-2/3 Rust tests: ipmc-ext

unit tests (53 cases)

Test	Area	Result
`tier23::tests::a_c1_answer_stops_every_event_until_the_next_set_event_receiver`	ipmc-tier23 table and glue	PASS
`tier23::tests::a_c1_answer_to_a_queued_event_clears_the_queue`	ipmc-tier23 table and glue	PASS
`tier23::tests::a_full_queue_drops_the_new_event_and_counts_it`	ipmc-tier23 table and glue	PASS
`tier23::tests::a_new_address_sends_every_sensor_state_again`	ipmc-tier23 table and glue	PASS
`tier23::tests::a_newer_state_replaces_the_pending_fru_state_event`	ipmc-tier23 table and glue	PASS
`tier23::tests::a_node_busy_answer_keeps_the_event_and_sends_it_again_later`	ipmc-tier23 table and glue	PASS
`tier23::tests::a_row_answers_only_at_or_above_its_min_tier`	ipmc-tier23 table and glue	PASS
`tier23::tests::a_sample_with_no_change_sends_nothing_and_counts_stay_in_step`	ipmc-tier23 table and glue	PASS
`tier23::tests::a_sensor_with_events_off_or_an_offset_masked_sends_nothing`	ipmc-tier23 table and glue	PASS

Test	Area	Result
`tier23::tests::an_error_completion_also_resends_the_fru_state_event`	ipmc-tier23 table and glue	PASS
`tier23::tests::cold_reset_sets_the_pending_reset_and_a_bad_request_does_not`	ipmc-tier23 table and glue	PASS
`tier23::tests::command_name_names_the_rows_this_tier_answers`	ipmc-tier23 table and glue	PASS
`tier23::tests::disabling_the_receiver_stops_events_and_a_new_address_sends_the_active_ones_again`	ipmc-tier23 table and glue	PASS
`tier23::tests::every_event_leaves_as_the_exact_platform_event_frame`	ipmc-tier23 table and glue	PASS
`tier23::tests::set_and_get_event_receiver_round_trip_and_a_bad_set_changes_nothing`	ipmc-tier23 table and glue	PASS
`tier23::tests::set_event_receiver_stops_the_retries_of_the_event_in_flight`	ipmc-tier23 table and glue	PASS
`tier23::tests::the_capability_mask_follows_the_tier`	ipmc-tier23 table and glue	PASS
`tier23::tests::the_commands_answer_their_bytes_and_completion_codes`	ipmc-tier23 table and glue	PASS
`tier23::tests::the_deassertion_mask_gates_the_cleared_temperature_event`	ipmc-tier23 table and glue	PASS

Test	Area	Result
`tier23::tests::the_fru_state_cause_follows_rules_4_1_5_2_6_and_4_1_5_2_7`	ipmc-tier23 table and glue	PASS
`tier23::tests::the_fru_state_event_is_resent_until_it_is_acknowledged`	ipmc-tier23 table and glue	PASS
`tier23::tests::the_rows_are_the_tier_two_and_three_commands`	ipmc-tier23 table and glue	PASS
`tier23::tier2::events::outcome_tests::a_completion_that_is_not_ours_or_a_replaced_event_does_not_claim_an_acknowledgement`	ipmc-tier2 events	PASS
`tier23::tier2::events::outcome_tests::is_replaced_follows_the_pending_generation`	ipmc-tier2 events	PASS
`tier23::tier2::events::outcome_tests::the_end_of_event_line_says_what_follows`	ipmc-tier2 events	PASS
`tier23::tier3::sel::tests::the_issued_id_wraps_past_ffffh_to_one_and_skips_zero`	ipmc-tier3 sel	PASS
`tier23::tier3::tests::a_cancelled_reservation_id_is_not_issued_again`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::a_change_of_an_ipmb_speed_makes_the_link_events_of_offsets_4_and_5`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::a_deactivation_request_does_not_outlive_m4_and_m5`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::a_disabled_offset_sends_no_event_and_adds_no_sel_record`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::a_full_sel_takes_no_event_and_sets_the_overflow_flag`	ipmc-tier3 crate root	PASS

Test	Area	Result
`tier23::tier3::tests::a_mode_change_is_refused_in_transition_and_for_an_unsupported_mode`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::a_new_event_receiver_gets_every_active_state_again_without_new_records_and_none_is_dropped`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::a_warm_reset_keeps_the_receiver_enables_sel_and_locks_and_resends_the_event_in_flight`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::an_analog_sensor_accepts_set_sensor_event_enable_and_keeps_every_event_off`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::clear_sel_checks_the_signature_the_action_and_the_reservation`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::fru_control_cold_reset_pulses_the_payload_reset_in_m4_and_m5_only`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::fru_hash_changes_with_an_accepted_write_and_only_then`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::get_sel_entry_walks_the_ids_and_cuts_the_slices`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::mandatory_sensor_numbers_are_listed_from_m1_on`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::set_payload_mode_moves_the_sensor_and_sends_the_event`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::the_activation_rows_follow_rules_4_1_5_4`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::the_cause_of_a_commanded_change_is_not_kept_for_a_later_unrelated_one`	ipmc-tier3 crate root	PASS

Test	Area	Result
`tier23::tier3::tests::the_commands_answer_their_bytes_and_completion_codes`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::the_enables_get_set_mask_and_never_enable_an_event_the_sdr_lacks`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::the_policy_automation_moves_the_fru_between_m4_and_m5_and_powers_in_m1`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::the_policy_bits_check_everything_first_and_change_nothing_on_an_error`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::the_power_on_gate_follows_activation_locked`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::the_rows_hold_every_tier_three_command_and_only_those`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::the_sel_clock_counts_seconds_from_the_value_set`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::the_sel_clock_does_not_step_back_when_the_millisecond_tick_wraps`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::the_sel_logs_each_made_event_once_with_the_exact_record`	ipmc-tier3 crate root	PASS
`tier23::tier3::tests::warm_reset_asks_for_a_warm_reset_and_never_weakens_a_cold_one`	ipmc-tier3 crate root	PASS

20. Emulator replay

The replay of the captured Chassis Manager traffic (`local_only/vectors/sbc_ab.vec` , local only) through the emulator, compared with the numbers of CLAUDE.md gate 9.

Build	Summary line	Against the expected numbers	Result
Tier-2/3 extension	`PASS requests=309 answered=309 match=78 same_cc=64 cc_diff=167 not_implemented=0 unanswered=0 no_bus=0 bus_differs=219 malformed=0 ipmc_requests=1 events=1`	match 78 same_cc 64 cc_diff 167 not_implemented 0; expected 78/64/167/0	PASS

21. Tier-2/3 conformance reports

The Tier-2 and Tier-3 conformance suites (`tools/conformance_t2` , `tools/conformance_t3` of `../IPMIRustFRU_Tier23`) need the emulator server or the board; this tool reads the stored reports and does not run them.

Report	Written	PASS	FAIL
conformance_t2_emu.md	2026-10-24 14:17	53	0
conformance_t2_board.md	2026-10-24 13:32	50	0
conformance_t3_emu.md	2026-10-24 17:40	78	0
conformance_t3_board.md	2026-11-02 11:09	67	0