

Pitbull-PRO Release Notes

Pitbull-PRO (2G/3G) FW release notes.

V01.10.06 - 2021.08.17

Fixed:

- ref [#18428](#)
 - Firmware prefix sent to EWKB5 keyboard is set to 45(french language known for EWKB5 firmware) for 46 target.

V01.10.05 - 2021.08.06

New:

- ref [#18196](#)
 - Created new build target `build_46` from old `build_60`, changed libraries and defines for specific case 46.
 - Created new `target_defines` file `46-French-telegrafik-defines.mk` with firmware prefix 46.
 - Created new `target_libraries` file `46-French-telegrafik-libs.mk`.
 - Added additional case in `ss_sync_stage.c` file `case 46` identical to case 45.
- ref [#18199](#)
 - CID ram ring buffer API implemented.
 - Unit tests for Contact ID RAM buffer API written.
- ref [#18200](#)
 - Integrated cid ram module into arc log application.

Changed:

- ref [#18196](#)
 - Added specific `FIRMWARE_PREFIX == 46` case in file `LanguageMulti.c`.
 - Added specific `FIRMWARE_PREFIX == 46` case in file `LanguageMulti.h`.
 - Added specific `FIRMWARE_PREFIX == 46` case in file `ewkb5_strings.c`.
- ref [#18199](#)
 - Updated `build_system` submodule.
- ref [#18200](#)
 - Target 46 will not generate `systemlof` event on 24h zone events.

Fixed:

- ref [#18196](#) In `LanguageMulti.h` fixed type mistake from `#include "SMS_texts_00_en.c"` to `#include "SMS_texts_00_en.h"`.

V01.10.04 - 2020.12.22

Change:

- [ref #17151](#) `GETVERSION_FRAME` packet structure in `gprs_config` module changed. Firmware prefix added.

V01.10.03 - 2020.12.17

New:

- [ref #17124](#) Implemented `kronos_dev_id` module which is made for building device id for different Kronos/EGR100 type protocols.

Changed:

- [ref #17124](#) Changed how `DEV ID` is build for `Kronos KSS` protocol data frames.

V01.10.02 - 2020.12.10

Fixed:

- [ref #17093](#) Timestamp fixed in Kronos KSS device identification frame building function `kronos_build_dev_identification()`.

V01.10.01 - 2020.12.09

New:

- [ref #17078](#)
 - Crypto submodule updated to V01.02.00
 - ICFG submodule updated to latest V02.06.03 version.
 - Kronos KSS module implemented and used in datamanager.

Changed:

- [ref #17078](#) Kronos \$20 frame will not be generated into ARC events log after datamanager initialization. This frame is used as handshake frame when Kronos KSS protocol enabled. This functionality comes from newly developed Kronos KSS module.

V01.10.00 - 2020.11.17

New:

- [ref #16966](#) New device identification frame (\$20) for Kronos KSS (Changed from Kronos+). This frame is first to send after initialization.

V01.09.12 - 2020.09.23

Change:

- [ref #16649](#) Automatically send Grade2 packets until sent even though link is broken.

V01.09.11 - 2020.09.22

New:

- [ref #16649](#) received packet signal strength reduced by 8dB when enabled service mode.

Change:

- ref [#16649](#) packet send try count set to 10 for grade application.

V01.09.10 - 2020.09.18

New:

- ref [#16473](#) Grade2 receiver application.

Change:

- ref [#16473](#) Updated Simpliciti submodule to V01.00.10.

V01.09.09 - 2020.09.16

Fix:

- ref [#16512](#) Fixed reduction by 8dB.

V01.09.08 - 2020.09.16

Change:

- ref [#16512](#) When Service mode enabled, reduce received RF packet signal level by 8dB.

V01.09.07 - 2020.09.14

Change:

- ref [#16512](#) Grade2 trigger switch changed to Bell+ terminal.

V01.09.06 - 2020.09.11

New:

- ref [#16512](#) Added GRADE2 transmitter test.

V01.09.05 - 2020.09.07

New:

- ref [#16569](#) Created target number 60.
- ref [#16569](#) Added `KRONOS_PLUS` ARC protocol selection but functionality follows as `KRONOS`.

Change:

- ref [#16569](#) Removed SMS command `xxxx protocol`.
- ref [#16569](#) Removed `45` command from EWKB3/4 settings.

V01.09.04 - 2020.08.27

New:

- ref [#16496](#) SYSTEMLOG_ID_PERIODICAL_INFO event is not sent to cloud anymore but marked as sent in log.

Fix:

- ref [#16496](#) SMART_SECURITY_NOT_ACCEPTED active cloud status marks cloud events as sent to stop flooding with old events.

V01.09.03 - 2020.08.21

Fix:

- ref [#16470](#) Reduce max EWKB5 count on system from 4 to 2. 288B RAM save and 720B ROM.
- ref [#16470](#) EWKB5, EWKB3 and EWKB4 added device count function fixed.

V01.09.02 - 2020.08.17

New:

- ref [#16390](#) Crypto module V01.01.00 added.

V01.09.01 - 2020.08.11

New:

- ref [#16300](#) Add RF device offline.

Change:

- ref [#12187](#) Removed OS functions additional layer and OS timeout parameter passed as milliseconds.
- ref [#16369](#) Simpliciti RF stack update to v1.0.9.
- ref [#16407](#) ICFG module update to v2.6.3.
- GSM IO messages queue cleaning updated.

Fixed:

- ref [#16367](#) Static analysis fixed.

V01.09.00 - 2020.01.15

Fixed:

- ref [#14992](#) Added lots off fixes that was shown by static analysis `CppCheck`.
- ref [#15068](#) RFS file create fixed - was failing to create file if one of files was removed.

V01.08.13 - 2019.12.05

Fixed:

- ref [#15173](#) SMS command to set Time synchronization setting.

V01.08.12 - 2019.12.03

Fixed:

- ref [#15151](#) EGR100 set time and change id decryption.

V01.08.11 - 2019.11.25

Fixed:

- ref [#14828](#) Modem power off wait.

V01.08.10 - 2019.11.06

Fixed:

- ref [#14611](#) EWK3 events translation to EWKB5 French.
- ref [#14612](#) JSON PIN event response.
- ref [#13847](#) Output status validation.

V01.08.09 - 2019.10.31

New:

- ref [#14828](#) Modem off by V-Int pin.

Changed:

- ref [#13067](#) EWKB4 ARM led on when exit delay.

Fixed:

- ref [#6933](#) rinfo battery level.
- ref [#12285](#) SMS notification cascade on by default.

V01.08.08 - 2019.10.29

New:

- ref [#14392](#) Date time synchronization.

Changed:

- ref [#13069](#) EWM1 node gone event not sent to Cloud.
- ref [#14612](#) JSON "UPL" field remove.

Fixed:

- ref [#14212](#) Reboot nuo SMS forward.
- ref [#13064](#) Tamper alarm after bypass when disarmed.
- ref [#13590](#) SMS delivery report loop.
- ref [#14611](#) Fixed EWK3 events translation to EWKB5.
- ref [#6605](#) Call in case of alarm.
- ref [#13187](#) EWKB5 bypass user name.
- ref [#7423](#) System log index when bypass zone from EWKB4.

- ref [#12756](#) EWP3 power saving on/off.
- ref [#13847](#) Output status validation.

V01.08.07 - 2019.10.23

New:

- ref [#14827](#) Czech (10) language SMS texts and build.

Changed:

- ref [#12910](#) Removed SIA-IP RSP (Softguard).

Fixed:

- ref [#14611](#) Fixed EWK3 events translation to EWKB5.

V01.08.06 - 2019.10.21

New:

- ref [#14611](#) EWK3 events translation to EWKB5.

Changed:

- ref [#14487](#) Build system updated.
- ref [#14826](#) EWS2 battery level recalculation.
- ref [#11249](#) Virtual zones fixed.

Fixed:

- ref [#13531](#) Remote connection issue.
- ref [#13359](#) No test period CID after sync failure.

V01.08.05 - 2019.08.14

Changed:

- ref [#14168](#) Zone 33 by default will be virtual silent panic zone instead of Zone 3.
- ref [#14168](#) Zone 34 by default will be virtual fire zone.

Fixed:

- ref [#14167](#) User delete (code 65) via EWKB4 will not be allowed if user is assigned to EWK3 keyfob.

V01.08.04 - 2019.08.12

Changed:

- RF device name, when there is no specific name, will be `ID:xxxxxxx` instead of `ID xxxxxxxx`.

Fixed:

- ref [#14147](#) Fixed RF low battery zone index issue.

- [ref #14153](#) When sending cant arm SMS because of zone/tamper, was using wrong user id.

V01.08.03 - 2019.08.06

New:

- [ref #14109](#) Added new event: rf battery low and rf battery ok .
- Added 2 new CLI commands to test new events: rf_batt_ok and rf_batt_low.

Changed:

- SMS sending buffer will be allocated dynamically instead of using static. Size 512 B.
- Updated CLI to newer version. Will use less RAM.

V01.08.02 - 2019.07.10

Fixed:

- [ref #13960](#) Device gone restoring fixed.
- [ref #13974](#) EWKB5 keyfob EWK3 events fix.

V01.08.01 - 2019.07.05

Changed:

- Added temperature support for EWK3. Because it will measure and send temperature.
- Changed RF debug, to increase speed.
- Removed unnecessary HID commands.
- Increased RF message process count from 2 to 4.
- Increased RF task EWT_proc_Task priority from Normal to Above Normal.
- Changed some RF string parse order.

Fixed:

- [ref #13853](#) Added some changes to improce RF speed.
- [ref #13854](#) Arm/disarm via EWK3 sms.
- [ref #13847](#) Output status validation and sync to cloud. Faults sync to cloud periodically.
- [ref #13859](#) Out of range buzzer status.
- [ref #13649](#) EWK3 will not be authorized on startup or configuration load (if not added).

V01.08.00 - 2019.06.21

New:

- Added EWK3 support.

V01.07.05 - 2019.04.12

Fixed:

- [ref #13287](#) EWF1 alarm to Utility;

V01.07.04 - 2019.04.02

Fixed:

- ref [#12778](#) EWD3 battery level recalculation(fixed);
- ref [#13160](#) Change UnitID request;
- ref [#13174](#) Cyrillic user name to cloud conversion;

V01.07.03 - 2019.03.27

Fixed:

- ref [#13100](#) Wrong Day limit notification in systemlog;
- ref [#13101](#) Bypass user name on EWKB5;

V01.07.02 - 2019.03.26

New:

- ref [#13060](#) UA language SMS texts;

Fixed:

- ref [#13038](#) Phone user name to cloud bug;
- ref [#13050](#) Bypass command wrong zone and user index;
- ref [#12460](#) End remote connection issues;
- ref [#10421](#) EWF1 test command via Remote connection;
- ref [#12622](#) EWKB4/EKB3W remains active while system is in remote configuration;

V01.07.01 - 2019.03.21

New:

- ref [#10742](#) Security module refactor;
- ref [#10924](#) SMS levels;
- ref [#12778](#) EWD3 battery level recalculation;
- ref [#12796](#) EWKB4 NST packet with battery voltage;

Fixed:

- ref [#12254](#) EWKB5 RF communication issues #1;
- ref [#10210](#) EWKB5 RF communication issues #2;
- ref [#8849](#) Remote configuration end connection packet to Utility;

V01.07.00 - 2019.03.13

New:

- ref [#11016](#) System log engine update;
- ref [#12472](#) Test time 10s when remote connected;

Fixed:

- ref [#12273](#) Cloud waits ack on closed socket;
- ref [#8261](#) Remote configuration disconnect log event;

V01.06.08 - 2019.03.08

Fixed:

- ref [#12930](#) User name indication in cloud with ukrainian symbols.

V01.06.07 - 2019.01.30

Changed:

- If device will get from cloud, that it is not added, it will set synchronization flag, to sync when it will be added again.

Fixed:

- ref [#12588](#) GPRS deactivation fix - we must wait 180 s for response to +UPSDA command.
- ref [#12590](#) When language is UA (prefix 87), will send names to cloud in hex string format instead of simple string.
- When waiting ACK from cloud, will at first check receive than if connection is closed. This helps to receive all responses when cloud sends response and closes socket.
- Cloud synchronization optimization loop fixes.

V01.06.06 - 2019.01.25

Fixed:

- ref [#12400](#) Refixes for tampers (EWKB4) syncing to cloud.

V01.06.05 - 2019.01.23

Fixed:

- ref [#12400](#) Fixed tampers (EWKB4) syncing to cloud.

V01.06.04 - 2019.01.18

Fixed:

- ref [#12440](#) Tampers indication during cloud sync;
- Firmware version and device name are being sent during cloud sync;

V01.06.03 - 2019.01.15

Fixed:

- ref [#12049](#) Laiko sinchronizacija per GSM;
- ref [#12050](#) HID not working when SIM removed;
- ref [#12372](#) Po remote centrale per ilgai atstatineja rysi su CMS ir Cloud;
- ref [#12408](#) DateTime not set EGR100 parse errors;
- ref [#12374](#) System restarting when EWKB5 added;
- ref [#12096](#) UART error pranesimai;

V01.06.02 - 2019.01.10

New:

- ref [#12025](#) Active SIM id after SIM switch;
- ref [#12054](#) Cloud sync optimization;

Fixed:

- ref [#10210](#) EWKB5 exit delay counting;
- ref [#9773](#) SMS repeat when battery is dead;
- ref [#11789](#) CO fault SMS with wireless failure;
- ref [#12317](#) UA lang translation mistakes;
- ref [#11323](#) SMS not sent if ACR is not sending;
- ref [#6752](#) LED indication failure;
- ref [#12328](#) Socket delay;

V01.06.01 - 2019.01.04

Fixed:

- ref [#12175](#) EWK2 command feedback;
- ref [#12047](#) Socket check before sending and delay;
- ref [#12042](#) Restart Cause SMS remove;
- ref [#12311](#) EWF1CO low battery SMS;

V01.06.00 - 2019.01.02

New:

- ref [#12123](#) 87 FW Ukrainian language;
- ref [#12217](#) Simpliciti update;

Fixed:

- ref [#11762](#) Cloud synchronization stop;
- ref [#9469](#) FOTA SMS delivery report off;
- ref [#10618](#) 74 FW english language to cloud;
- ref [#11788](#) CO fault bad zone index;
- ref [#9650](#) PIR zone alarm count works with STAY;
- ref [#11973](#) GPRS initialization loop;
- ref [#11713](#) Info SMS mistake for spanish languages (28 and 74 prefixes);
- ref [#11696](#) Removeban SMS mistake for french langua (45 prefix);
- ref [#10851](#) Low battery restore failure;
- ref [#12189](#) EWK2 action retry when no ACK;

V01.05.04 - 2018.11.16

Fixed:

- ref [#11755](#) EGR100/Kronos encryption fix;

V01.05.03 - 2018.10.24

Fixed:

- ref [#11335](#) If remote config is initiated from Datamanager task - EGR100, Datamanager will skip for one time remote configuration init, to allow sending of INFO packet to EGR100.
- ref [#11336](#) Changed define for max EWS4 devices to be added (8 to 2, as PT-PRO supports max 2 EWS4);
- ref [#11645](#) Removed GSM level info packet sending, when Kronos protocol is selected in datamanager.

V01.05.02 - 2018.10.17

Fixed:

- ref [#11256](#) Startup SMS about FOTA status fixed:
added delay before system restart after success FOTA file download and upgrade start;
changed system startup check sequence of reset statuses. FOTA check is done before system reset cause check;
removed RESET registers printing at start - no use;
Added Field Test FW targets (00, 01, 28, 37 and 53).

V01.05.01 - 2018.10.16

New:

- ref [#11264](#) added "nstprint" and "rfdiagn" commands to CLI;

Fixed:

- ref [#10423](#) "MS COMM FAIL" fault will be cleared and restore events will be set, if Datamanager settings change.
This will happen only if those faults and events were previously set.
- ref [#10330](#) Added EWKB5 texts to log parser.

V01.05.00 - 2018.10.08

New:

- ref [#9805](#) EWS4 support added;
- ref [#9038](#) RTC-api implementation (from ESIM384);
Removed feature [#1278](#) EKB3W set system date & time command beeps negatively upon successful change.
- ref [#11107](#) Added encryption enable to kronos protocol (EGR100);
- ref [#10109](#) Added FOTA EGR command (EGR100);
- ref [#7479](#) Stay arm function for EWK2;
- ref [#10108](#) Added remote configuration EGR command (EGR100);
- ref [#10456](#) Added change account ID EGR command (EGR100);
- ref [#10112](#) Added device information EGR command (EGR100);
- ref [#10111](#) Added GSM information EGR command (EGR100);
- ref [#11024](#) Added SIM ICCID read feature (EGR100);
- ref [#10110](#) Added bypass EGR command (EGR100);
- ref [#9329](#) Added EWD3 configuration structure parameters "pulse count", "time window" (taparella);

Changed:

- Refactored wireless and wired sirens;
- ref [#10578](#) EWKB5 onboard zone is disabled by default, but EWKB5 still measuring zone;
- ref [#10586](#) Wireless Battery Low and Restore detection times set as in ESIM384. 150 and 15 minutes accordingly;
- ref [#10554](#) EWKB4 onboard zone is disabled by default;

Fixed:

- Adapted to updated simplicity submodule;

- ref #10330 Fixed: EWF1CO not restoring CO faults;
- ref #9319 Security status saving moved to later stages, when all Security statuses are updated;
- ref #9534 Fixed Not cleared "Time not set" fault, after setting time manually (related to #9038);
- ref #8455 Fixed: if delay zone is restored during arming (with forced attribute), system will arm to NORMAL ARM instead of STAY ARM;
- Fixed: Later FOTA were unsuccessful after one FOTA fail, restart was necessary;
- ref #11159 Fixed: SIA-IP padding fixed, when encrypted NULL;
- Fixed: function to detect any keyboard in program mode and block another configuration (EGR100);
- ref #9343 Fixed: Default Zone 34 name changed to "Alarm Zone34";
- ref #11073 Fixed: Memory leak, when SIM switch mode is manual and data manager does not get required SIM card;
- ref #10585 Fixed: EWP3 lost fault, after battery level drops to 0%.

V01.04.06 - 2018.10.15

Fixed:

- ref #11929 removed mic function support from 37 FW;

V01.04.05 - 2018.07.31

Fixed:

- ref #9676 EWP3 battery level recalculation: at level of 69% system will inform user to charge battery: it will be played as 5%.
- ref #10331 FTP fix: When connecting to FTP, if ServerName is defined instead of IP, `+UFTP=1` command is used. Otherwise `+UFTP=0`.

V01.04.04 - 2018.07.02

- Added 3 tests build targets: LT, RU and ES.

V01.04.03 - 2018.06.07

New:

- In case of heap_wp_fatal_error (heap/dynamic memory), device will restart
- #9314 Atsiranda Lenku kalbos SMS tekstai
- #9892 PT-PRO papildomi audio kanalo nustatymai
- Microphone level expanded to negative side. Now available range is -8 to 15. However, configuration from keyboards (EWKB3 and EWKB4) still support only 0 to 15 range

Fixed:

- External Flash memory test function fix
- #9607 Sutriko Pitbull Pro funkcionalumas po EWKB5 baterijų išsikrovimo
Fixed: device stops working after EWKB5 batteries are drained out
Fixed: heap/dynamic memory false consuming protection
- #9632 Nesiunčia Low Battery SMS dėl EWKB5 išsikrovusių baterijų
- #9666 rfdiagn komanda veikia neteisingai
- #8860 Nefiksuoja pirmo EWKB4 mygtuko paspaudimo
- #9681 Ispanams event/pushai appse ateina anglų kalba
- #9221 Pitbull PRO Voice Calls issues Turkijai CID DTMF
Configuration parameter "CMS speaker gain" added
This parameter automatically refreshed after config write from Utility

- [#9674](#) Cloud'as generuoja labai didelį kiekį mobilių duomenų
quick ping for smart security if config changed, for faster sync
status for not added device to cloud
if device not added to cloud, do not add to smart security log
- [#10163](#) Po Pitbull PRO reset EWKB5 neveikia
EWKB5 default NST time.
EWKB5 pairing and adding to system problem fixed.
EWKB5 - during startup update config flags are set in spite of update_config_function calling;
Get_Device_Online_Status() function check fixed;

V01.03.00 - 2018.04.16

New:

- ref [#8982](#) Manual SIM switch;
- ref [#8983](#) Turkish language;
- ref [#9052](#) Partition statuses to SmartSecurity updated immediately after change;
- ref [#8329](#) HEAP submodule implementation (Internal feature);
- ref [#8767](#) Softguard commands over SIA-IP functionality;

Fixed:

- ref [#7899](#) EWKB4 Fault 10 (Part1):
added two commands for utility to get and clear faults;
- ref [#8912](#) Duplicated Cloud events:
SendDataToWebEngine returns enumerated values;
exception handling when setting/clearing GRPES fail statuses;
GPRS reset for SmartSecurity;
Cloud HTTP responses updated;
Restart GPRS if Smartsecurity send try failed;
Cloud remote commands are processed when sync in progress;
when cloud receives http response as device not added to cloud, stopping GPRS reset timer for SMart security;
send to cloud server count values is defined. Default value 3;
- ref [#8406](#) EWD3 temperatūrą per SMS atvaizduoja 255 laipsnius celsijaus;
- ref [#8847](#) Neateina pranešimai apie "Delay" zonos aliarmą, kai iš karto pažedžiama ir "Int. Follower" zona (SMS ir į CMS);
- ref [#8454](#) RF app command prefix passing fixed;
- ref [#8974](#) Nesiunčia IMEI ir FW versijos į EGR100 net po restarto;
- ref [#6881](#) Disarm via USB;
- ref [#8487](#) Bad temperature zone in event log;
- ref [#8864](#) Nesiunčia failed to arm sms notification;
- ref [#9109](#) SmartSecurity sockets malfunctioning while Voice/CSD call;
- ref [#9163](#) RTX 4.80 semaphore issue (internal);
- ref [#9167](#) Datamanager does not enter Wait state immediately. Only after second attempt;
- ref [#9247](#) Bypass command does not bypasses violated tampers;

V01.02.03

Changed:

- UART0 RX IRQ Loop when no physical connection on RX pin
- FIFO Trigger level 0 set to both UART0 and UART1
- ref [#8339](#) GPRS attach procedure & gsm wait OK ERROR handling fix
- ref [#8367](#) SMS reference number size & sms list clear issue fixed
- ref [#8117](#) Buzzer actuation when (PA silent) zone violated
- ref [#8639](#) Month counter was incremented every 12 days

- Cloud and ICFG semaphore dead lock fixed.
- On failed SMS parse it will never delete that SMS - fixed.

V01.02.02

Changed:

- ref [#8064](#) False alarm ant PIR akies
- ref [#8141](#) Duomenų perdavimo į pultą rezerviniu kanalu problema
- ref [#8112](#) Į pultą (MS) nesiunčiami sistemos išjungimo ir starto įvykių pranešimai
- ref [#7547](#) System log events
- ref [#7550](#) Event 124 restore zone number
- ref [#7556](#) CSD - not working
- ref [#7762](#) SmartSecurity Device ID
- ref [#7976](#) Hard fault
- ref [#8060](#) EWP3 akies išjungimas po arminimo
- ref [#7907](#) Utility Tool rodomas skirtingas Cloud Service ID numeris prijungus Pitbull PRO per remote ir per USB kabelį
- ref [#7996](#) Entrance beep funkcijos parametras siunčiamas ir klaviatūroms kurios jo nepalaiko
- ref [#8073](#) DNS stage removal for GPRS session activation
- ref [#8127](#) SMS Cortex protokolu siunčia neteisingą Particijos reikšmę.
- ref [#8137](#) Antram RF regione panaikinti 1 kanalą
- ref [#8042](#) 2G and 3G modem sleep modes are different
- ref [#7981](#) AddNode funkcijos optimizavimas
- ref [#8083](#) Pitbull Delay zona su EWP2 sukelia silent alarm CID event.
- ref [#6822](#) CSD
- ref [#6969](#) Testing Smoke detector CID number
- ref [#6976](#) Remote configuration stopped event
- ref [#6997](#) Testing Smoke Detector event
- ref [#8048](#) Memory leak
- ref [#7548](#) 20 min wireless lost event
- ref [#7827](#) SMS text bugs
- ref [#7675](#) Po "Wireless Device Lost Timeout" neatsiunčiamas pranešimas apie vieną iš prištų daviklių dingimą. GRADE2
- ref [#8052](#) SIA IP buffer length fix
- ref [#6974](#) Neatsiunčia lietuviškų SMS žinučių
- ref [#7507](#) CLI command for generating Cloud Faults and Troubles
- ref [#7552](#) System log - SMS SEND OK
- ref [#8079](#) EWKB5 pastoviai sukasi ratukas ekrane
- ref [#8174](#) II rf regiono 0 proc. ribos pakoregavimas
- ref [#8215](#) ICFG 2.4 version
- ref [#8216](#) Host IP size fix
- ref [#8217](#) EWKB5 refactoring
- ref [#8247](#) SMS memory pool usage fix

V01.02.01 - 2017.09.27

Changed:

- ref [#7118](#) RF devices battery level is now saved in RF diagnostics log file.
- ref [#7138](#) Battery charging algorithm improved.
- ref [#7210](#) Default configuration of CID events changed.
- ref [#7276](#) Reset status logging improved.
- ref [#7281](#) Modem message queue improved/redeveloped.
- ref [#7315](#) GPRS error EUROMA fixes.
- ref [#7410](#) Added protection for accidental arm/disarm via EWKB4.
- ref [#7491](#) Added new languages: French and Romanian.

- ref [#7578](#) EWKB4 configuration improvements.
- ref [#7579](#) Old RF devices now are included in RF diagnostics log file.
- ref [#7580](#) Dynamic memory size reduced to 16 kB.
- ref [#7582](#) Function realloc no longer used.
- ref [#7581](#) UART debugging is more secured now (no PIN codes printed).
- ref [#7583](#) FOTA improved.
- ref [#7589](#) SMS forward functionality improved.
- ref [#7632](#) Some used function (e_memset, e_memcpy, etc.) changed with standard functions.
- ref [#7638](#) Functions refactoring.
- ref [#7707](#) GPRS data pooling bug fixed.
- ref [#7746](#) SMS listing bug fixed.
- ref [#7866](#) Unpaired RF devices are not shown via remote configuration - fixed.
- ref [#7944](#) Smart security events synhronization (user names) for Russian (37) target improved - invalid symbols were shown.
- ref [#7718](#) Modem command for checking operator COPS redeveloped to use CREG instead.
- ref [#7737](#) Slave configuration update new CMD.
- ref [#7755](#) Remote configuration decipher length bug fixed.
- ref [#7809](#) Buzzer is disabled in factory mode (till first configuration).
- ref [#7837](#) Modem silent restart checking improved: greating text saving to profile added.

V01.02.00 - 2017.08.03

Changed:

- ref [#7138](#) Battery charge algorithm upgrade
- ref [#7287](#) Data presence mark into RF ACK packet
- ref [#7304](#) Įėjimo zonos suveikimo kontrolės CID įvykis 124
- ref [#7379](#) Buzzer beep control functionality
- ref [#7378](#) SIA IP 2013 implementation
- ref [#7375](#) Įdėtas naujs reg2 konfigas;
Sukurtas Brazil Reg2 target'as;
Atskirta, kad tik Reg 1 būtų nustatoma mažesnė galia pirmuose 3 kanaluose.
- ref [#7303](#) uBlox Sara U-260 and U-201 3G modem support added
- ref [#7286](#) EWKB4 beeps while entry delay is counted
- ref [#7507](#) Fault generator added
- ref [#7118](#) RF Battery level logging added into RF diagnostics
- ref [#7204](#) ESD protection improved

V01.00.20 - 2017.06.08

New:

- CLI command for bypassed zones "byp"
- CLI command for last input status of zones "last_input"

Changed:

- ref [#6453](#) fix of zone info formation, when everything is OK.
- ref [#6949](#) new log id for RF node GONE event and new alarm/restore functions for RF node gone
- ref [#6941](#) EWKB3/4 report zone
- ref [#6962](#) LedIndicationFlag parameter is not used.
Led indicator will always be set on, in case of alarm (ultimate decision is made by indicationMatrix parameter);
- ref [#6961](#) Neveikia report zonos SMS žinutės vartotojui atjungimas
- ref [#6971](#) SMS day limit increased up to 50 SMS

- ref [#6972](#) ClearNotActiveZonesAndTAmpers fixed to not check bypass zones.
ResetAutoBypass fixed to clear bypassed zones
- ref [#6977](#) ban SMS duplicate removed
- ref [#7002](#) FOTA reflash loop and reset status FIXED
- ref [#7076](#) Remove all snprintf+Debug instances in EWKB5 functionality
- ref [#7081](#) Neteisingi pažeistų zonų statusai
- ref [#7101](#) EKB5W User issaugojimas
- ref [#7101](#) RF delejai padaryti per taimerius, suziureti laikai.
- Production test buzzer detection level lowered: set from 35 to 25;

V01.00.19 - 2017.05.17

New:

- CID event: Report zone, 150 code;
- SMS flag: SMS_USER_REPORT_ZONE_ALARM;
- ref [#6823](#) hid command, pir_mask_debug:0/1 turns on/off pir mask debugging to uart;
- ref [#6763](#) core frequency when running from PLL is now 60MHz.

Changed:

- default config changed, added 2 new parameters (CID events 150).
- ref [#6791](#) enumerator naming
- ref [#6883](#) EWD3 default config changed. Same as ESIM384
- ref [#6889](#) debug messages. not much
- ref [#6917](#) before stay arm request, check if stay zones enabled

Fixed:

- ref [#6941](#) Silent, instant silent and report zones do not generate alarm.
- ref [#6795](#) Alarm event REPORT: generated cid event and log entry;
- ref [#6784](#) security arm/diasarm cases.
Naming/indentation.
Zone status function fixed.
Fire mask 1 minute for repeated alarm.
- ref [#6785](#) addedflag for SILENT type zones, not to buzzer prealarm sound type.
Buzzer sound modes enumeration.
- ref [#6904](#) arm/disarm event, user idx fix.
- ref [#6759](#) output and zone name changing via SMS text fixed. There was no delimiter involved in a text string.
Default config, all strings are terminated with null at end.
RfApp_interface: fixes in EWKB5 zone names.
- ref [#6784](#) Security status fix and arming control fix.

V01.00.18 - 2017.05.12

New:

- ref [#6827](#) Added OS_Free protection for invalid pointer (not in heap region).
- Delay timer, which is reconfigured with core clock change;
- Microseconds delay timer function is inline;
- CLI commands to change core frequency. Testing purposes only;
- Added EKB5W_Command_Fire_Alarm_Mute
- ref [#6814](#) osThreadYield(); pridetas geresniam duomenų prasiuntimui.
- ref [#6823](#) Added debug, for GSM and RF masking:
[MASK][PIR][GSM] 1

[MASK][PIR][GSM] 0
[MASK][PIR][RF] 1
[MASK][PIR][RF] 0

Changed:

- ref #6880 Arming type from EGR now is defined.
MPRESSED_REMOTE case fixed.
- Debug improvements.
- Improved fault handler.
- RFS used records calculation improved.
- Changed app.c "case ALARMEND:".
- ref #6782 TESTCMD=22, for modem voltage drop value.
Function to return modem voltage drop.
- ref #6781 ZoneStatus and TamperStatus now has check mode for all zones including REPORT
- ref #6740 when partial arm, in SMS will be all violated zones and tampers in one msg
- ref #6801 description of enumeration

Fixed:

- ref #6884 when reset sms limit information, also clears GSM fault
CLI has new command for SMS limit information sms_limit_info
- ref #6731 RAW GMS text printing removed
- Debugging on hard fault and OS error fixed.
- added delay in events log streaming.
- System and CID log reading FIXED. Missing delays and semaphores added
- ref #6387 ewkb5 remote config flag also and ewkb3/4 in service flag.
CAN'T ARM security module fixed
- ref #6735 virtualios zonas ne anglu kalbom rasomos anglu kalba
- ref #6815 before making a call to MS (Voice Call), production test flag is cleared;
MRFI delays are now running from delay timer.
MRFI timing fixed;
MRFI reply delay is now waiting for 30ms semaphore (as it should have been from the start);
- ref #6831 Fixed APP_EKB5W_Config_Partition_En_Status and APP_EKB5W_Config_Temperature_En_Status.
- ref #6790 Sumazinta galia 1,2,3 kanalams (iki ~30 mW), o 4-tam palikta max galia ~65 mW.
- ref #6387 when remote in action, EWKB3/4 gives negative beep
- ref #6756 setOutStartValue
Del sio atvejo ziureti RfApp.c setOutStartValue() funkcijos iterpima. Visos kitos yra salutiniai dalykai arba hotfix
clock_task_set_periodic_sms_time in remote config

V01.00.17 - 2017.05.05

Changed:

- ref #6777 CLI APP thread priority reduced to Below Normal.
- ICFG updated to v2.1.
- Malloc tracer debug messages improved.
- ref #6741 removed buzzer flag on clearindication after backlight to
cleanup
removed keyboard source and header files
cleaned unnecessary functions
- ref #6504 EKB5_i_pitbull_merginam_is_ESIM384

Fixed:

- Added OS suspend when allocating, freeing memory.

- ref [#6799](#) Number of concurrent active timer callback functions set to default 4;
- ref [#6707](#) added debug, to see CID event log reading points;
log semaphore wait/release "fixed"
- ref [#6775](#) Bug caused by ref [#6619](#) FIX
- ref [#6755](#) system log event structure to notification log changed
- ref [#6745](#) arming over cloud event checking priority changed . First check wless grade2 checking, then zones and tampers when wireless comm trouble occurs, trouble goes to log too
when arming over cloud and wloss exist, system fault occurs, to be sent to cloud. Same as in ESIM384
smart sec fixed, to send faults
HID command to clear ping
- ref [#6764](#) Bug [#6764](#) development done - was caused by setting pin as input with internal pull up.
- ref [#6478](#) Prailgintas preambulės laukimo tmo.
- ref [#6505](#) Pakeisti RF 0% riba.

V01.00.16 - 2017.04.28

New:

- ref [#5128](#) new languages translations: 00, 01, 28, 37, 53;

Changed:

- ref [#6710](#) default iDetect parameters and Pir_mask_timeout;
- ref [#6740](#) zone bit field increased
debug messages cleaned
Alarm zone status setting
MACRO for bitfields
- ref [#6635](#) UART drivers redeveloped. This should fix bug [#6635](#).
Updated FwBinMaker.exe to latest and the greater.
On os_error now will restart immediately. This issue caused that watchdog will restart MCU and reset cause in that case will be WDT, not OS_ERROR.

Fixed:

- ref [#6753](#) -during init fixed ToSend and ToWrite pointers setting;

V01.00.15 - 2017.04.26

Changed:

- ref [#6730](#) SMS FWD debug.
- MERGED PIR sensors research branch.
Fixed:
- gsmMessageTask optimized;
- memory block in SendSMSTask free done after switch case.
- ref [#6650](#) sms limit stats are reset, when device configuration is set to default.
- Added DNS address printing when SetDNSServers() function is called;
- HID task debug removed.

V01.00.14 - 2017.04.25

New:

- ref #6631 config timeout and lock for HID and remote system status debug in Main
- ref #6659 Added 'pool_info' command via CLI to get pool usage information.
OS pool usage debug via HID command meminfo.
- ref #6526 new led indication delay timer for PIR alarm; 2 seconds;

Changed:

- ref #6619 every wireless device now has default zone type, partition and zone enabled/disabled status

Fixed:

- ref #6707 Hid Debug semaphore is released, when USB_ROM is reinitiaized (in case of errors);
ewkb3 task memset (sizeof);
Added GPRS debug: APN, User name and password; Dns Name debug added;
HID command, to set time sync flag bad ("time_sync_set_bad").
- Memory leak fixed: SMS mailbox invalid allocation without use removed.
- Fixed some compilation warnings.
- Reduced USB mailbox blocks from 96 to 8.
- ref #6651 if periodic sms time was set to 2 or more hours, no sms was sent; Now it is fixed.
- ref #6699 cid event log ToSendPointer initialization fix, when all events are sent.

V01.00.13 - 2017.04.24

New:

- HID commands for setting remote connection status
- removed unnesesary functions and optimized
- HID command for modem status

Changed:

- ref #6616 some indentation
- ref #6664 SIM error setting made latched
operator check time reduced to 2 minutes
naming for mem blocks
removed modem status registering from SendSMS task
SIM ERROR only from GSM task
tasks wich require GSM connection, now has modem ready checking
modem restart debug for every case
- new HID cmd set_trouble:x, reset_trouble:x, where x - trouble index
- indentation ekb3w files

Fixed:

- ref #6699 searching for last entry point to start write from;
cid event log creation is refactored.
cid event add to log: fixed error printing issue;
- ref #6387 fixed grade2 20 min cant arm case
- mem block free when forwarder
- ref #6691 sim switch mutex release fixed.

- ref #6621 all troubles over index 11, not lit on ewkb3/4 validation pointer and troubles
debug to HID too
- ref #6615 zone status indication also checks zone status flag

V01.00.12 - 2017.04.18

New:

- ref #6660 added multiple debug lines, for modem restart request. Look for [MODEM_RESTART] in uart log.
- rtc_api added new day start flag;

Changed:

- ref #6626 if reset done after watchdog, but clock is past 2017, set to default.
- ref #6636 flags made using functions
no result swinging detected. More test with new device hardware

Fixed:

- ref #6623 resolve command time is set to max 70 sec. UDNSRN
- ref #6644 if system time is not set, scheduler is not active;
- ref #6650 periodic sms are sent only if system time is set.
sms limit clock conversions fixed. enable/disable irq.
time setting from log, added protection;
sms limit debug fixed;
sms limit: force flag checking fixed;
- ref #6630 wireless device lost timeout changed to 240min. FW range checking applied to 15...9999
in CMS default UDP changed to TCP

V01.00.11 - 2017.04.12

New:

- ref #6526 new parameter for PIR: mask time after alarm. Time, that no new PIR alarm can be generated. Same as EWP3 parameter.
pir alarm restore delay timer added.

Changed:

- ref #6401 data manager stack incremented by 128 bytes, to total 1448;
battery charge stack size incremented by 64, to total 576;

Fixed:

- ref #6651 periodic info sms start settings were not set at device startup;
- ref #6650 mem_free added after "SMS_TASK_RESET_STATUS" sms sending.

V01.00.10 - 2017.04.10

Fixed:

- ref #6637 FOTA backup structure info field termination.
- ref #6599 when adding RF device, if there is no free zones, RF device is deleted and not added.
AddNode() return parameters rechecked;

- ewkb4 add and delete in rf_app_interface_ fix;
- ewd2 & ewd3: when adding, default config values are checked, to set zone status.
- ewkX devices adding and removing recheck;
- ewd2, ewd3, ewkb3 default configurations set same as in 384;
- ref [#6478](#) Del pakartotinų paketų kartojimo preambulės thr iš 20b sumažintas iki 16b.

V01.00.09 - 2017.04.04

Fixed:

- ref [#6558](#) Bug #6558 development done.
- ref [#6537](#) battery test count is set to 16 -> short test;
EXTCOMAND=7 now contains actual device name (HID and Remote Config);
- ref [#6543](#) if wrong command length is from RF, there should be a break; In other case, unknown things may happen.

V01.00.08 - 2017.04.04

Fixed:

- ref [#6586](#) CLI task stack was not added to total stack.

V01.00.07 - 2017.04.03

New:

- ref [#6480](#) CLI (Command Line Interface) added over debug UART.
Task #6480 development done - Usage monitoring added.
Main stack size reduced to 1024 B.

Changed:

- ref [#5314](#) deleted warnings and removed crap
- ref [#6367](#) bad time trouble is set now after start if not watchdog caused reset
no init section for time verification
time sync flag is now in backup registers
need to change time to backup registers
- ref [#6504](#)
- ref [#6557](#) zstatus changed as in 384
- Watchdog feed moved to main.

Fixed:

- Fixed zones status writing for remote and hid
- ref [#6571](#) rf channel change now returns statuses to HID, about status.
- ref [#6572](#) TESTCMD=9 - turn off sirena output. (If it was not an output, is will be set as output).
- ref [#6573](#) when issued TEST_CMD=7 or TEST_CMD=17, IO is not set to output.
- ref [#6574](#) sct buzzer pause on/off;
audio loop test: buzzer test settings changed.

V01.00.06 - 2017.03.30

Changed/Fixed:

- ref [#6484](#)

- [ref #6392](#)
- [ref #6387](#)
- [ref #6393](#)
- [ref #6483](#)
- [ref #6485](#)
- [ref #6297](#)

V01.00.05 - 2017.03.27

Unkown changes.

V01.00.04 - 2017.03.22

New:

- sms limit new functionality. Status is saves in Ring Buffer eeprom (single eeprom page is utilized). If day or month passes, statistics are automatically reset.
- eeprom driver;
- [ref #6464](#) added additional debug, to try pin point the problem. Feedback is needed.

Fixed:

- [ref #6398](#) sms_limit data restore check conditions fixed.
- eeprom read/write - only in words;
- SetDetectors() - pir detector values are updated upon configuration load;

V01.00.03 - 2017.03.16

New:

- [ref #6368](#) added thread_yield in call task.

Fixed:

- [ref #6414](#) gprs start - removed aquisition of data transfer channel();
ported get/free data transfer channel functions from esmi384;
log_reset_status printing function fixed.
uart_util - semaphore waiting now has a sense.

V01.00.02 - 2017.03.14

Changed:

- [ref #6122](#) Papildoma rf apsauga.
- [ref #6182](#) RF diagnostika nusiresetins po paros.

V01.00.01 - 2017.03.10

Changed:

- [ref #6330](#) removed hid locking after CID log commands
hid locking is set when HID device is disconnected

- ref [#6077](#) added SMS texts when:
remote configuration denied, when system is armed
remote connection active if stconfig again
- Changed one FOTA string

Fixed:

- ref [#5779](#) when initializing CID logs, added checking for 0xFF entries

V01.00.00 - 2017.03.09

New:

- ref [#6193](#) when system battery is critical(bellow 7.7V), system starts 2min timer and after that time system is forced to shut down
- ref [#6294](#) new log type to notifications log(SYSTEM_RESET)
system reset printed to notifications log

Changed:

- ref [#6346](#) alarm deny timer clears follower zones only timers, but restore status left untouched
when alarm timer ends, if denied restored zone occurs, clear deny flag and restore zones from structure

V02.05.02 - 2017.03.07

New:

- ref [#6304](#) Added mailbox fail array

Changed:

- ref [#6072](#) fpg devices(EWKB4, EWD3, EWP3) are not repeated
- ref [#5314](#) static buffer for total file size fixed
- When mailbox error occurs, logging to system log will be checked and if status exist, not repeated

Fixed:

- hid command fix: nstprint

V02.05.01 - 2017.03.06

Fixed:

- ref [#6332](#) Rf Broadcast message slot count set same as associated memory pool;
- ref [#6298](#) zone type index to function
- mrfi GetResponse function fix;
- uncommented task creation. this is needed for debug purposes;
- removed warnings on receive data from gprs. Added additional checks for data length.

V???.???.?? - 2017.03.06

Fixed:

- ref [#6286](#) RF broadcast message to remote config memory block pool size increased from 2 to 16.

- ref [#6264](#) not fixed. added debug;
- ref [#6295](#) Security.c : when updating RF configuration, e_memcpy EKB3W structure size was set wrong.
Also fixed some of sprintf functions to snprintf.

V???.?? - 2017.03.02

Fixed:

- ref [#6265](#) CID event log naming fixed. Same as ESIM384;
Remote config CID event log clear functions fixed.
- ref [#6262](#)
- ref [#6263](#) added HW version to remote config string
if there are multiple remote config packets in one big lump, data separation is done.
uncommented mbx exception add to log event.
- ref [#6250](#) if no data pull, removed checking if really no data
frame debugging fixed
added error frame for error states
fixed compile warnings
- ref [#6261](#)
- ref [#6077](#)