Event Handler Event	Event Handler Link Clien		ommand Sent from Event Handler	Command Link	Command Arguments	Command Argument Source	Display Connection State Update	Your Global GATT State in Event Handler	Command Normal Result Event(s)	Command Failure Result Event	Command Data Event	Your Global GATT State After Command Send	Event Handler Overview
rt_system_boot	https://docs.silabs.com/Serv	er Se	se Advertising Commands	See Advertising Commands	See Advertising Commands	See Advertising Commands	"Advertising"	CONNECTION_ADVERTISING	See Advertising Commands	See Advertising Commands	See Advertising Commands	CONNECTION_ADVERTISING	See Advertising Commands
_system_boot	https://docs.silabs.com/Clien	t Se	se Discovery Commands	See Discovery Commands	See Discovery Commands	See Discovery Commands	"Discovering"	CONNECTION DISCOVERING	See Discovery Commands	See Discovery Commands	See Discovery Commands	CONNECTION DISCOVERING	See Discovery Commands
						Values based on cmd documentation - Setting bit3 to 1 to require bonding requests be confirmed.							
_system_boot	https://docs.silabs.com/Both			https://docs.wishs.com/biselooth/lates/ism#cmd_sm_com		- io_capability to am_io_capability_displayyeano for pushbutton	N/A	N/A N/A	NIA	N/A	N/A N/A	NA NA	Configure security requirement handling to specify needed settings for bonding process.
le_gap_scan_response	Mips (Voca silabs com Clien		nd_le_gap_connect		fixed address, address_type le_gap_address_type_public_identity, initiating phy le_gap_phy_fm		"Connected"			N/A	NIA		Verify if hard-coded Server BT address has been found; if true, stop scanning and connect to that device
le_connection_opened	https://docs.silabs.com/Serv			https://docs.silabs.com/bluetooth/latestile-cornection#cm		const values based on Assignment 5		CONNECTION_ADVERTISING CONNECTION_DISCOVERING	evt_le_connection_parameters	NIA.	NA NA	CONNECTION_FOUND	Sets connection parameters of a connection
t_le_connection_opened	https://doos.silabs.com/Clien	t or	nd_sm_increase_security	https://docs.silabs.com/bluetooth/latest/am#ond_am_incr	Connection	Connection handler returned from evt.>data.evt_le_connection_opened.connection Connection Handler returned from evt.>data.evt_am_confirm_bonding.connection,	Cont sonarg	CONNECTION_DISCOVERING	le_connection_parameters, sm_bonded, sm_bonding_failed	NA.	NA	CONNECTION_BONDING	Client initiates bonding process after a connection with a server has been made.
rt_sm_confirm_bonding	https://docs.allabs.com/Serv	er on	nd_am_bonding_confirm	https://docs.allahs.com/bluetooth/latest/amil/cmd_sm_bon	Connection, Confirm	Setting confirm to true if connection is not already bonded (check bonding, handle)	"Conn Bonding" "Conn Bonding", as well	CONNECTION_FOUND	NA	NA	NA	CONNECTION_BONDING	Server accepts bonding request received from client.
							Display Numeric Comparison Passkey on Screen and "Confirm with						
t_am_confirm_passkey	https://docs.silabs.com/Both	N/s	A	NA .	NA .	NA	PB0" for action	CONNECTION_BONDING	NA	NA	NIA	CONNECTION_BONDING	Display Passkey on LCD, notify user to "Press PB0" to confirm the bonding process.
50 Button Pressed During Confirm asskey Bonding Process	N/A Both		nd_am_passkey_confirm	https://docs.allabs.com.blustooth/latest/amfored_am_pass	Connection Conferm	Connection Handler returned from evt->data.evt_am_confirm_passkey.connection, Setting confirm to true	N/A	CONNECTION_BONDING	NA.	evt_sm_bonding_failed	N/A	CONNECTION_BONDING	User pressed PBD button to confirm keypass is valid and confirm/complete bonding process.
t_am_bonded	https://docs.silabs.com Serv				Connection, Content	N/A	"Breded"		NA NA	N/A	NA NA	CONNECTION_BONDED	Update LCD on Server to display new state now that Server and Client are bonded
_an_ones	THE PARTY NAMED IN COLUMN	- ~		in a	NA.	Connection Handler returned from evt.>data.evt_le_connection_parameters.	DUTUE!	CONNECTION_BUNDING	THE STATE OF THE S	IND.		COMMECTION_SUNDED	Opusee CCD on Jerren or Coping new water now one Server and Client are consec
vt_sm_bonded	https://docs.silabs.com/Clien	nt crr	nd_gatt_discover_primary_services_by_uuid	https://docs.silabs.com/blueloofs/latest/gatilicond_gatt_cli	Connection, usid_lan, usid_data	connection, said length (2 bytes) as #define, and said from Jac file as #define for Health Thermometer Service	"Discov Services"	DISCOVER_TEMP_SERVICES	evt_gatt_service, evt_gatt_procedure_completed	See Discovery Commands	See Discovery Commands	DISCOVER_SERVICES	Discover Service based on UUID of Health Thermometer
rt_gett_service_id	https://docs.silabs.com/Clien	et No.	A.	NA	NA .	NA	"Discov Services"	No Change	evt_gatt_characteristic, evt_gatt_procedure_completed	See Discovery Commands	See Discovery Commands	No Change	Capture and set variable for GATT Server Handle received
t_gatt_characteristic_id	https://docs.silabs.com/Clien	t No	A.	NA .	NA .	N/A	"Discoy Services"	No Change	evt_gatt_procedure_completed, evt_gatt_characteristic_value	gett_procedure_completed failed with error	NA	No Change	Capture and set variable for GATT Characteristic Handle received
						Connection Handle from event, service UUID from as #define, usid, Jen as #define,	"Discov Chars" or	DISCOVER_TEMP_SERVICE, DISCOVER_PB_SERVICE, DISCOVER_TEMP_CHARACTERIST IC,	ent dell procedure completed.	get_procedure_completed	N/A	DISCOVER_TEMP_SERVICE, DISCOVER_PB_SERVICE, DISCOVER_PB_SERVICE_INIT, DISCOVER_TEMP_CHARACTERIS IC,	Based on which procedure was completed, either: (1) Discover Service Characteristic based on Heiselfharmo UUID (2) Set characteristic notification for Heiselfharmo UUID (3) Set characteristic notification for Heiselfharmo UUID (3) Discover Service based on UUID of Encrypted Button State (4) Discover Service Characteristic based on UUID of Encrypted Button State
_gelt_procedure_completed	https://docs.silabs.com/Clien			https://docs.ellabs.com/blue/coft/listes/gatt/komd_gatt_re		pointer to usid_data to read value received in the event response	"Handling Indications"	DISCOVER_PB_CHARACTERISTIC,	evt_gatt_procedure_completed,	failed with error gat_procedure_completed			(5) Set characteristic notification for EncryptedButtonState ÜUID
t_gett_characteristic_value	https://docs.silabs.com/Clien		nd_gatt_send_characteristic_confirmation	https://docs.ailabs.com/bluetooth/latestigatificmd_gatt_se		Connection Handler returned from the evt	"Handling Indications"	HANDLE_INDICATIONS	evt_gatt_characteristic_value	failed with error	NA	HANDLE_INDICATIONS	Read and set temperature value to variable to be displayed next time LCD is updated (1Hz)
vt_hardware_soft_timer_id	Miss Sdock silabs com Both	N/	A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	Display latest state and updates to LCD screen. Occurs at 1Hz
						Connection Handler default set to Goff! Characteristic set to auto-gen value assigned to gattdo_button_state Value_len set to 1							
t_hardware_soft_timer_id	https://docs.silabs.com/Serv			https://docs.allabs.com/bluebook/lates/gatt-server#cmd	Connection, Characteristic, Value_len, Value_data	Value_data populated with PSO button press state value	N/A	NA	NA	N/A	NA	NA	Get latest state of the PBD button and send notification to Client. Occurs at 1Hz
		Va an	arious internal commands for sensor sampling ad event handling.			Compartion Handler salumant from the aut	Various						Handle various user defined interrupt events for reading temp sensor and handling external interrupts
cko_evt_system_external_signal_id	https://docs.silabs.com/Both	OT	nd_am_passkey_confirm	https://docs.silabs.com/blustooth/latest/smillored_sm_pas	Connection, Confirm	Confirm default set to True	N/A	CONNECTION_BONDING	NA	N/A	NA	CONNECTION_BONDING	(PSD button press).
t_le_connection_closed	https://docs.silabs.com	er Se	se Advertising Commands	See Advertising Commands	See Advertising Commands	See Advertising Commands	"Connection Lost"	CONNECTION_LOST	See Advertising Commands	See Advertising Commands	See Advertising Commands	g _{NIA}	See Advertising Commands
_le_connection_closed	https://docs.allabs.com/Clien	t Se	se Discovery Commands	See Discovery Commands	See Discovery Commands	See Discovery Commands	"Discovering"	CONNECTION_DISCOVERING	See Discovery Commands	See Discovery Commands	See Discovery Commands	NA	See Discovery Commands
t le_gap_adv_timeout	https://docs.silabs.com Serv	er Se	ee Advertising Commands	See Advertising Commands	See Advertising Commands	See Advertising Commands	"Advertising Timeout"	CONNECTION_ADV_TIMEOUT	See Advertising Commands	See Advertising Commands	See Advertising Commands		See Advertising Commands
am bonding failed	https://docs.allabs.com/Clien	t Se	se Discovery Commands	See Discovery Commands	See Discovery Commands	See Discovery Commands	"Advertising"	CONNECTION ADVERTISING	See Advertising Commands	See Advertising Commands	See Advertising Commands	CONNECTION_ADVERTISING	See Advertising Commands
evertising Commands													
itiple (see above)	multiple (see above) Serv				O for no duration limit or maxevents, min and max advertising intervals, O for handle	const values	N/A	NA	NA	NA	NIA	NA	Sets timing and duration for advertisements
Itiple (see above)	multiple (see above) Serv	er on	nd_sm_delete_bondings	https://docs.silabs.com/blustooth/latest/am#cmd_am_dele	N/A	NIA	N/A	NA	NA	NA	NA	NA	Delete any past bonding connections established - want to confirm bonding each time connection is made.
Itiple (see above)	multiple (see above) Serv	er or	nd_le_gap_start_advertising	https://docs.slabs.com/bluetoch/latestile-papifond_le_g	Discoverable mode le_gap_general_discoverable to use general discovery procedure, 0 for hands	o const values	"Advertising"	NA	evt_le_conection_opened	evt_le_gap_advertising_timeou	d NA	CONNECTION_ADVERTISING	Start advertising
scovery Commands													
itiple (see above)	multiple (see above) Clien			https://docs.silabs.com/blustooth/latest/am#cmd_am_dels		NIA	N/A	NA	NA	NA	NA	NIA	Delete any past bonding connections established - want to confirm bonding each time connection is made.
rultiple (see above)	multiple (see above) Clien	t or	nd_le_gap_start_discovery	https://docs.allabs.com/bluetoch/latestile-gap#ond_le_g	le_tm_phy for 1m phy, le_gap_general_discoverable for general discovery	const values	"Discovering"	NA	evt_le_gap_scan_response	N/A	NA	CONNECTION_DISCOVERING	Starts discovery on the client
esources / References													
a //docs silabs comblustoch/2 Sie-co													
a lidoca silaba com bluetoofh latestiou													
ps://www.silabs.com/community/wireles													
//www.silabs.com/community/wireles	essibluetooth/knowledge-base e	entry html/2016/11/07	Flusing bluefooth secu-VDcD										