	Used in					Display Connection	Your Global GATT State In Event		Command Failure Result	Command	Your Global GATT State After	
Event Handler Event	Event Handler Link Client/Serv	er/Both Command Sent from Event Handler	Command Link	Command Arguments	Command Argument Source	State Update	Handler	Command Normal Result Event(s)	Event	Data Event	Command Send	Event Handler Overview
nt_system_boot	https://docs.silabs.com/Server	See Advertising Commands	See Advertising Commands	See Advertising Commands	See Advertising Commands	"Advertising"	CONNECTION_ADVERTISING	See Advertising Commands	See Advertising Commands		CONNECTION_ADVERTISING	See Advertising Commands
										See Discovery		
t_system_boot	https://docs.silabs.com/Client	See Discovery Commands	See Discovery Commands	See Discovery Commands	See Discovery Commands Values based on and documentation	"Discovering"	CONNECTION_DISCOVERING	See Discovery Commands	See Discovery Commands	Commands	CONNECTION_DISCOVERING	See Discovery Commands
	https://docs.allabs.com/Beth				- Setting bit3 to 1 to require bonding requests be confirmed.	NIA	NIA	NIA	N/A	N/A	NIA	
t_system_boot		cmd_sm_configure	https://docs.silabs.com.bluetooth/latest/am#cmd_am_cos		- io_capability to sm_io_capability_displayyeano for pushbutton						NA	Configure security requirement handling to specify needed settings for bonding process.
Lle_gap_scan_response	https://docs.silabs.com/Client	ond_le_gap_cornect		fixed address, address_type le_gap_address_type_public_identity, initiating phy le_gap_phy_fm		at N/A "Connected"	NA	evt_le_connection_opened, evt_le_connection_parameters	N/A N/A	N/A N/A	NA	Verify if hard-coded Server BT address has been found; if true, stop scanning and connect to that device
t_le_connection_opened	https://docs.silabs.com/Server	cmd_le_connection_set_parameters	https://docs.silabs.com/bluetooth/latestile-connection#cn		const values based on Assignment 5		CONNECTION_ADVERTISING	evt_le_connection_parameters			CONNECTION_FOUND	Sets connection parameters of a connection
t_le_connection_opened	https://docs.silabs.com/Client	ond_sm_increase_security	https://docs.allabs.com/bluetooth/latest/am#ored_am_inc	Connection	Connection handler returned from evt.>data.evt_le_connection_opened.connection Connection Handler returned from evt.>data.evt_am_confirm_bonding.connection,	"Cons Bonding"	CONNECTION_DISCOVERING	le_connection_parameters, sm_bonded, sm_bonding_failed	N/A	NA	CONNECTION_BONDING	Client initiates bonding process after a connection with a server has been made.
t_am_confirm_bonding	https://docs.silabs.com/Server	cmd_am_bonding_confirm	https://docs.allabs.com/bluetooth/latest/amilcond_am_bo	Connection, Confirm	Setting confirm to true if connection is not already bonded (check bonding_handle)	"Conn Bonding"	CONNECTION_FOUND	NA	N/A	NIA	CONNECTION_BONDING	Server accepts bonding request received from client.
						"Conn Bonding", as well as: Display Numeric Comparison Passkey on Screen and "Confirm with						
vt_sm_confirm_passkey	https://docs.silabs.com/Both	NA	N/A	NA .	NA	PB0" for action	CONNECTION_BONDING	NA	NA	NIA	CONNECTION_BONDING	Display Passkey on LCD, notify user to "Press PBO" to confirm the bonding process.
PBO Button Pressed During Confirm Passkey Bonding Process	N/A Both	cmd_am_passkey_confirm	https://docs.allabs.com/bluetooth/latest/am#cmd_am_pa	Consistent Confere	Connection Handler returned from evt.>data.evt_sm_confirm_passkey.connection, Setting confirm to true	N/A	CONNECTION_BONDING	N/A	evt_sm_bonding_failed	N/A	CONNECTION_BONDING	User pressed PB0 button to confirm keypass is valid and confirm/complete bonding process.
		NA NA		NA NA	N/A	"Bonded"		NA NA	N/A	N/A		
evt_am_bonded	https://docs.silabs.com/Server	NIA	NA.	NA .		DCUG93	CONNECTION_BONDING	NA .	N/A		CONNECTION_BONDED	Update LCD on Server to display new state now that Server and Client are bonded
evt_sm_bonded	https://docs.silabs.com/Client	omd_gatt_discover_primary_services_by_usid	https://docs.silabs.com/bluetooth/lates/gattifond_gatt_d	Connection, usid_len, usid_data	Connection Handler returned from evtdata.evt_le_connection_parameters. connection, usid length (2 bytes) as #define, and usid from .isc file as #define	"Discov Services"	DISCOVER_SERVICES	evt_gatt_service, evt_gatt_procedure_completed	See Discovery Commands	See Discovery Commands	DISCOVER_SERVICES	Discover Service based on UUID of Health Thermometer
					Connection Handle from event, service UUID from as #define, uuid_len as #define,					See Discovery		
nvt_gatt_service_id	https://docs.silabs.com/Client	cmd_gatt_discover_characteristics_by_uuid	https://docs.silabs.com/bluetooth/latestigatificmd_gatt_d	Connection, Service, Usid_len, Usid_deta	pointer to usid_data to read value received in the event response Connection Handle from event, characteristic returned from usid data from	"Discov Services"	DISCOVER_SERVICES	evt_gatt_characteristic, evt_gatt_procedure_completed evt_gatt_procedure_completed.	See Discovery Commands gatt procedure completed	Commands	DISCOVER_SERVICES	Capture and set variable for GATT Server Handle received
evt_gatt_characteristic_id	https://docs.silabs.com/Client	omd_galt_set_characteristic_notification	https://docs.silabs.com/bluetooth/latest/gattifored_gatt_s	Connection, characteristic, flags	cmd_gatt_discover_characteristics_by_uuid, flags set to 2 for gatt_indication	"Discov Services"	DISCOVER_SERVICES	evt_gatt_characteristic_value	failed with error	NIA	DISCOVER_SERVICES	Capture and set variable for GATT Characteristic Handle received
evt_gatt_procedure_completed	https://docs.silabs.com/Client	cmd_gaft_read_characteristic_value_by_uuid	https://docs.silabs.com/bluetooth/latest/patiticend_qatt_e	Connection, Service, usid_len, usid_data	Connection Handle from event, service UUID from as #define, usid_lien as #define, pointer to usid_data to read value received in the event response	"Discov Chars" or "Handling Indications"	DISCOVER_CHARACTERISTICS or HANDLE_INDICATIONS	evt_gatt_procedure_completed, evt_gatt_characteristc_value	get_procedure_completed failed with error	N/A	DISCOVER_CHARACTERISTICS or HANDLE_INDICATIONS	Based on which procedure was completed, either: (1) Discover Services based on HealthThermo UUID (2) Set characteristic notification
vt_gatt_characteristic_value	https://docs.silabs.com/Client	cmd_gatt_send_characteristic_confirmation	https://docs.allabs.com/blustooth/lates/pattAcmd_catt_s	Connection	Connection Handler returned from the evit	"Handing Indications"	HANDLE INDICATIONS	evt_gatt_procedure_completed, evt_gatt_characteristic_value	galt_procedure_completed 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	https://docs.allabs.com/Both	NA	N/A	NA .	NA	NA	NA	NA	N/A	NA	NA	Display latest state and updates to LCD screen. Occurs at 1Hz
vt_hardware_soft_timer_id	https://docs.silabs.com Server	and nell senser send characteristic notification	Son https://docs.slubs.com/bluetoch/lates/balf-serverRond	Consumition Characteristic Value Ion Value rists	Connection Handler default set to Coff F Characteristic set to auto-gen value assigned to gathto_button_state Value, lan set to 1 Value_data oppusated with PSO button press state value	N/A	NEA	NO.	N/A	N/A	N/A	Get lakest state of the PB0 button and send notification to Client, Occurs at 1Hz
		Various internal commands for sensor samplin and event handling.			Connection Handler returned from the evt	Various						Handle various user defined interrupt events for reading temp sensor and handling external interrupts.
ecko_evt_system_external_signal_id	https://docs.allabs.com/Both	omd_am_passkey_confirm	https://docs.silebs.com/bluetooth/latest/am#cmd_am_pa	Connection, Confirm	Confirm default set to True	N/A	CONNECTION_BONDING	NA	N/A	N/A See Advertains	CONNECTION_BONDING	(PBD button press).
vt_le_connection_closed	Mine Odoce silebs com Server	See Advertising Commands	See Advertising Commands	See Advertising Commands	See Advertising Commands	"Connection Lost"	CONNECTION_LOST	See Advertising Commands	See Advertising Commands	Commands	NA NA	See Advertising Commands
t_le_connection_closed	https://docs.silabs.com/Client	See 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.allabs.com Server	See 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
ext, am bonding failed	https://docs.silabs.com Client	See Discovery Commands		See Discovery Commands	See Discovery Commands	"Advertising"		See Advertising Commands		See Advertising	g	See Advertising Commands
.Cam_bonoing_taseo	PRISE A COURSE SHADE COM. CHERT	See Discovery Commands	See Discovery Commands	See Discovery Commands	See Discovery Commands	Advertising	CONNECTION_ADVERTISING	See Adversing Commands	See Advertising Commands	Communica	CONNECTION_ADVERTISING	See Advertising Communics
dvertising Commands												
nultiple (see above)	multiple (see above) Server	cmd_le_gap_set_advertise_timing		0 for no duration limit or maxevents, min and max advertising intervals, 0 for handle	const values	N/A	NA	NA .	N/A	NA	NA	Sets timing and duration for advertisements
rultiple (see above)	multiple (see above) Server	cmd_sm_delete_bondings	https://docs.silabs.com/bluetooth/latest/amikomd_am_de/		NA	N/A	NA	NA	N/A	NIA	NA	Delete any past bonding connections established - want to confirm bonding each time connection is made.
nultiple (see above)	multiple (see above) Server	ond_le_gap_start_advertising	https://docs.allabs.com/bluetooth/latest/le-pap#cmd_le_c	Discoverable mode le_gap_general_discoverable to use general discovery procedure, 0 for handle	e const values	"Advertising"	NA	evt_le_conection_opened	evt_le_gap_advertising_timeou	t NA	CONNECTION_ADVERTISING	Start advertising
Nacovery Commands												
ultiple (see above)	multiple (see above) Client	cmd_am_delete_bondings	https://docs.silabs.com/bluetooth/latest/amilcond_am_del	NA .	NA	N/A	NA	N/A	N/A	NA	NA	Delete any past bonding connections established - want to confirm bonding each time connection is made.
rultiple (see above)	multiple (see above) Client	ond_le_gap_start_discovery	https://docs.allabs.com/bluetooth/latest/le-pap#cmd_le_c	le_1m_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
ssources / References												
tos //docs allabs com/bluetooth/2 Sile-co	proedion											
ps://docs.silabs.com/bluetooth/latest/ov												
tos //www.silabs.com/community/wireles	as bluetooth knowledge-base entry ht	ni/2017/06/25/pairing_processes-6XpB										
tios://www.allabs.com/community/wireles												